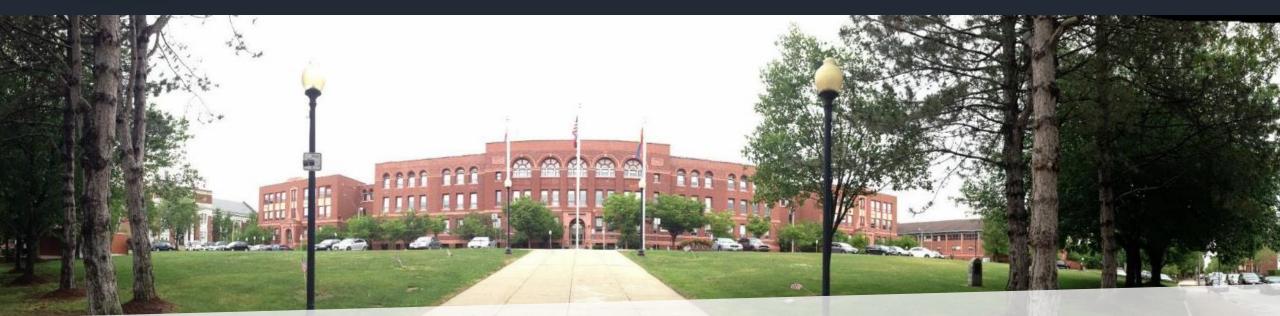


Somerville High School

Project Information Presentation



September 28, 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



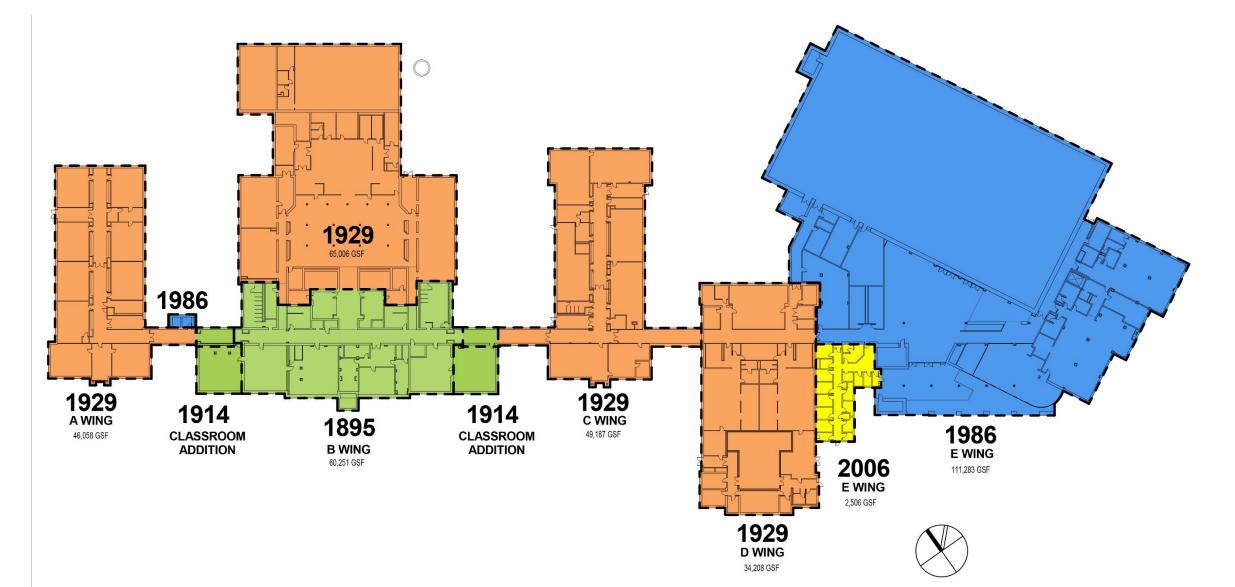
Somerville High School

Tonight's Agenda:

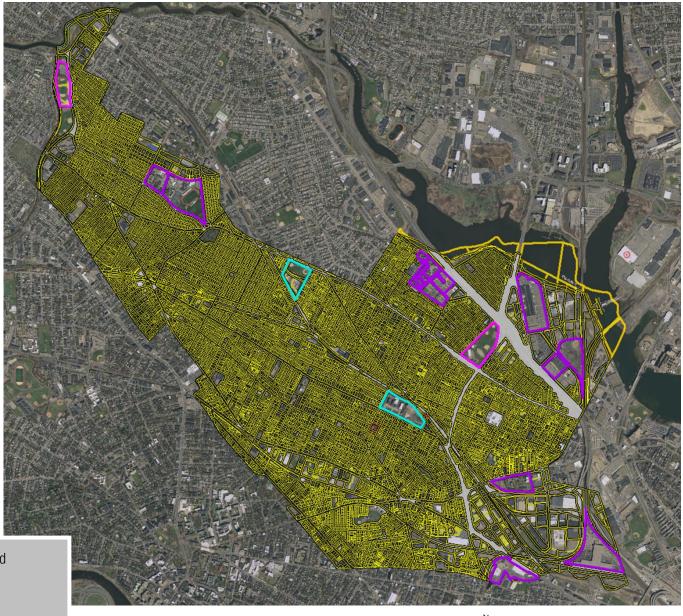
- Why SHS? & Why Now?
- · Project Overview
- Educational Vision and Planning Considerations
- Project Cost History, Market and Next Steps
- · Closing Remarks



Building History of Construction



City of Somerville: Parcels Greater Than 10 Acres



Commonwealth Owned Privately Owned



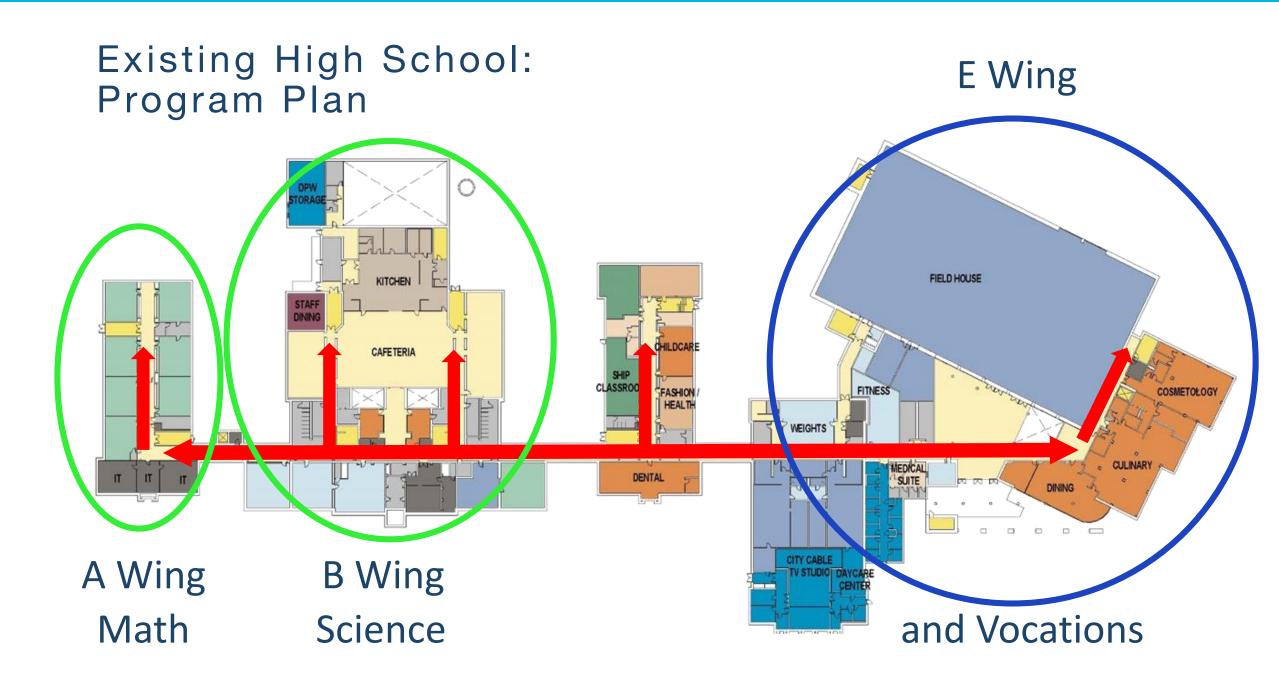
PSR Alternatives **Design Criteria for Option Selection**

- 21st Century Teaching & Learning
 - **Differentiated Learning** 0
- 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
					E main as set	199			
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 Building Deficiencies

- Lacking Spaces for 21ST 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

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 Parking Clarity

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

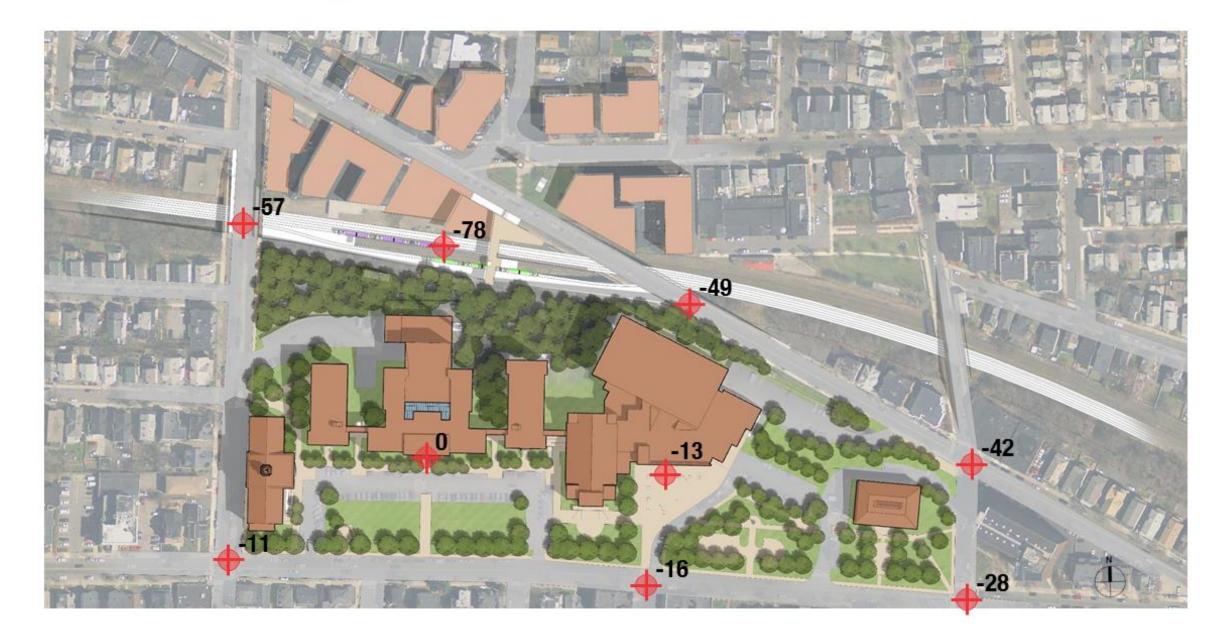
H



Somerville High School - 1986 to 2015



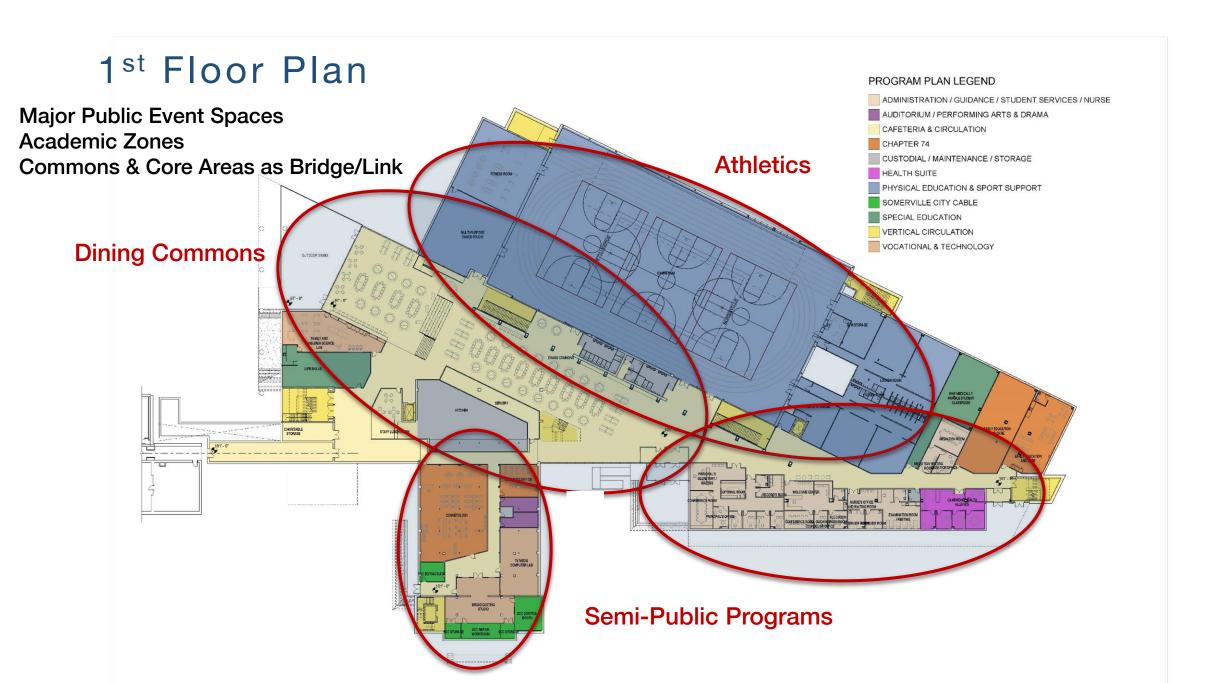
Somerville High School - Spot Grades

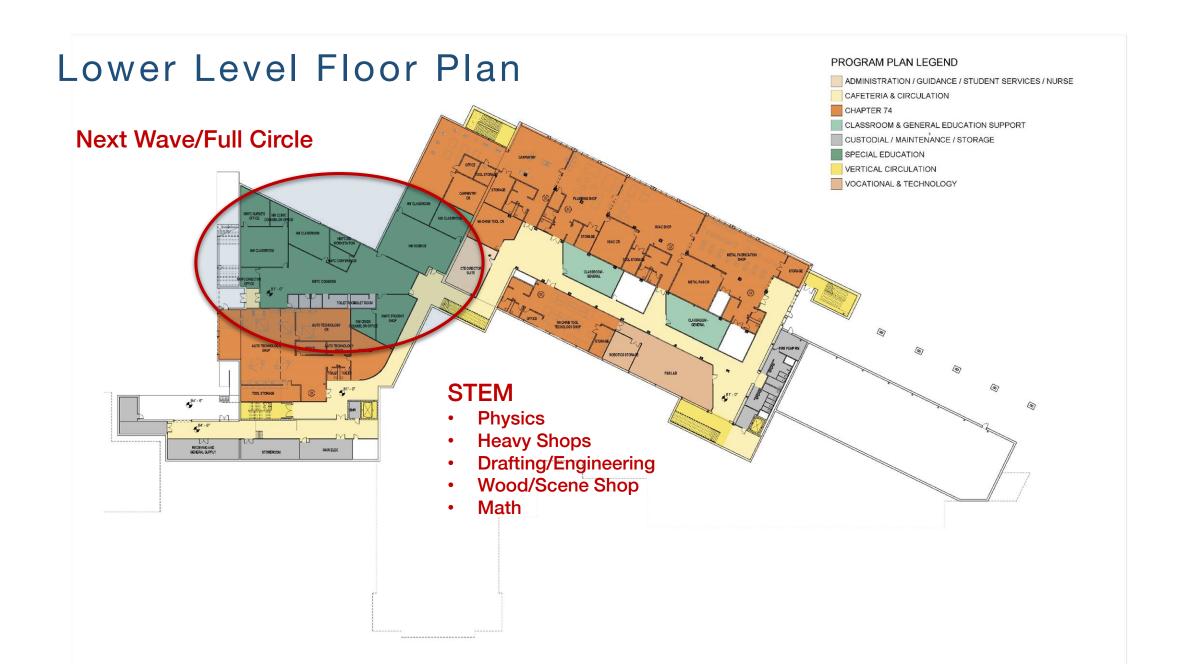


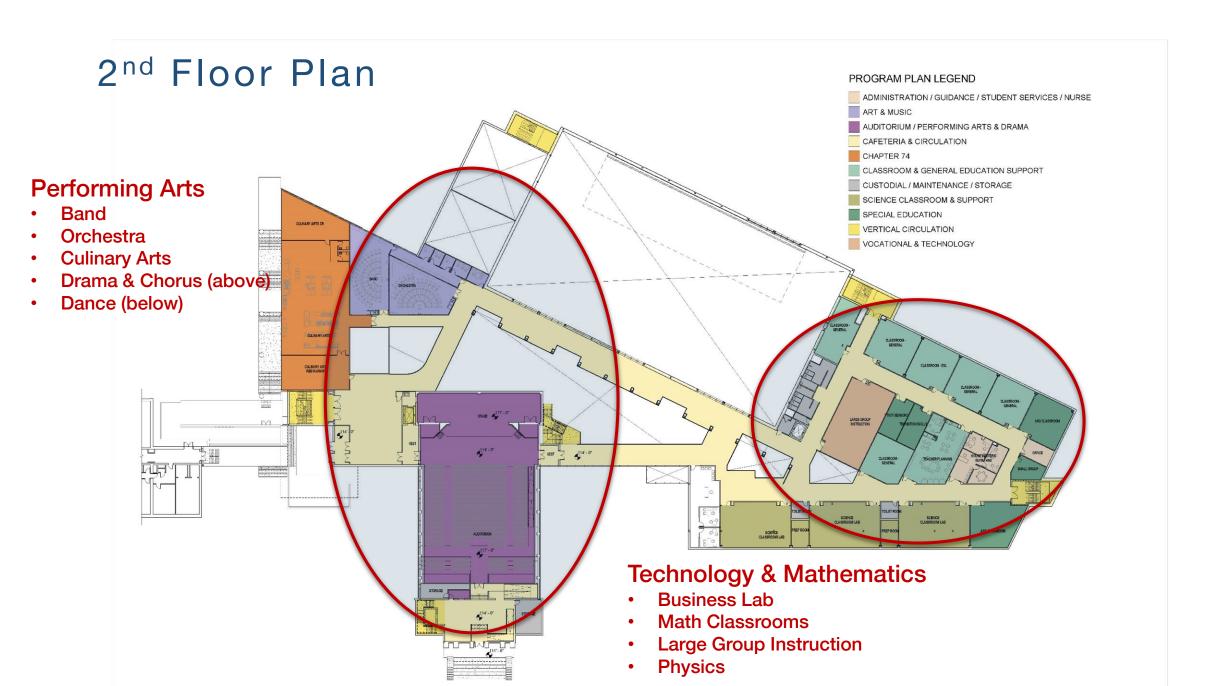
Porter Square Steps - 116 steps to first platform

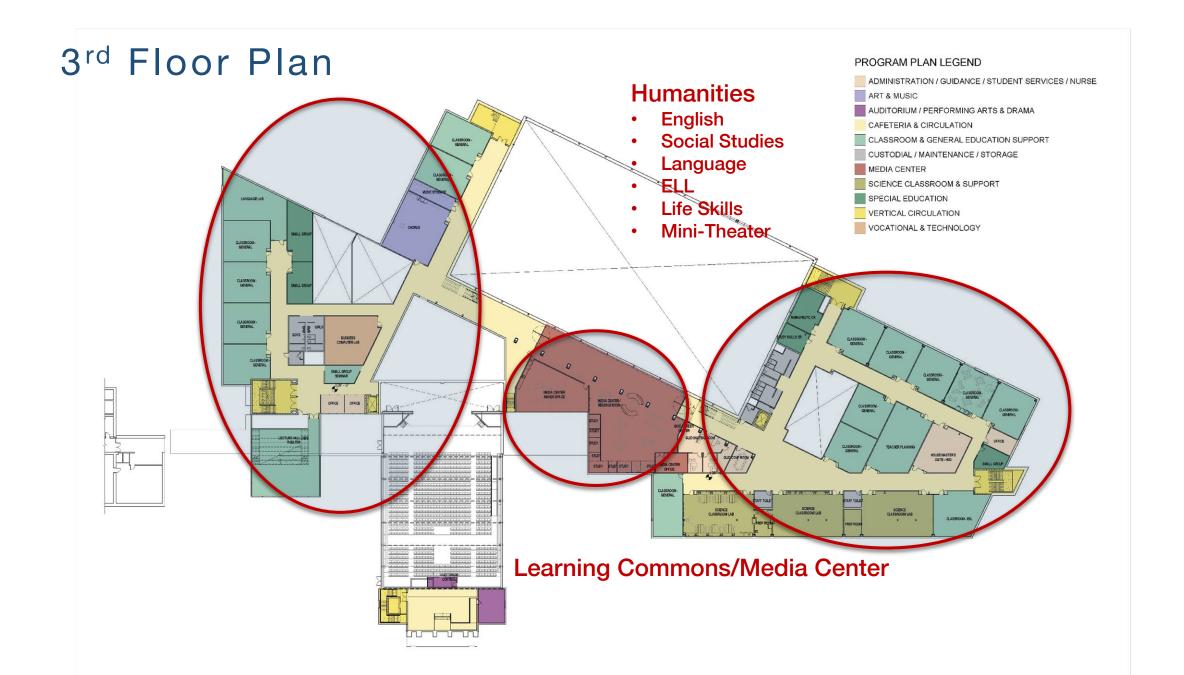


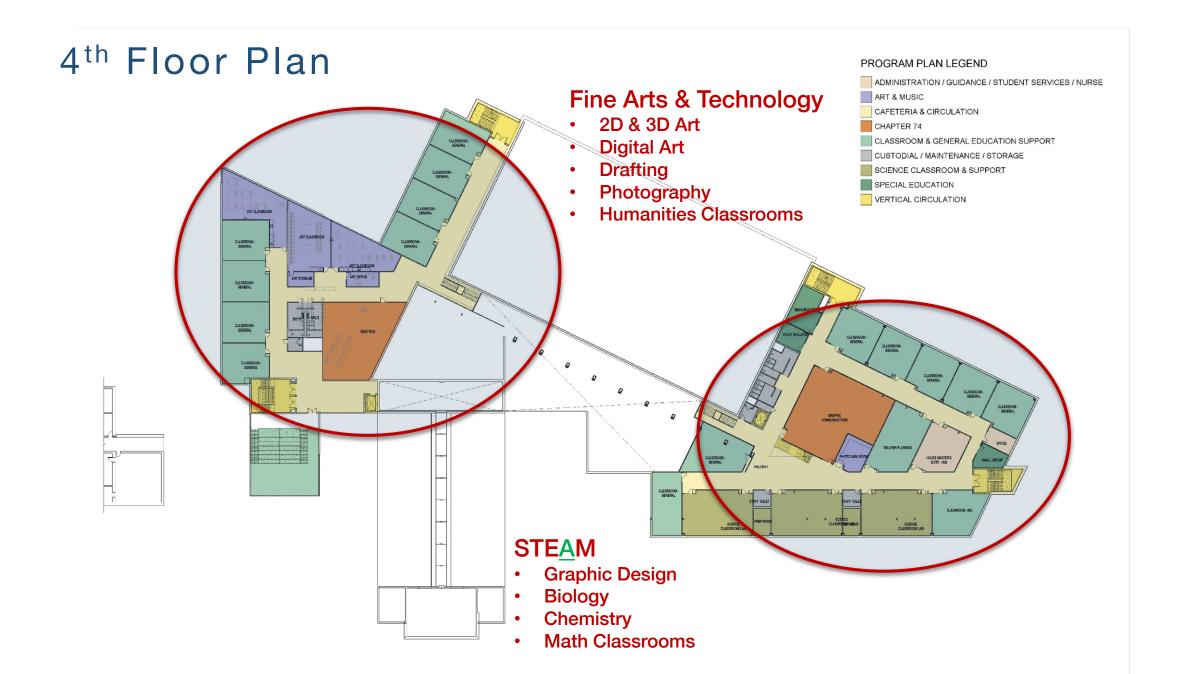


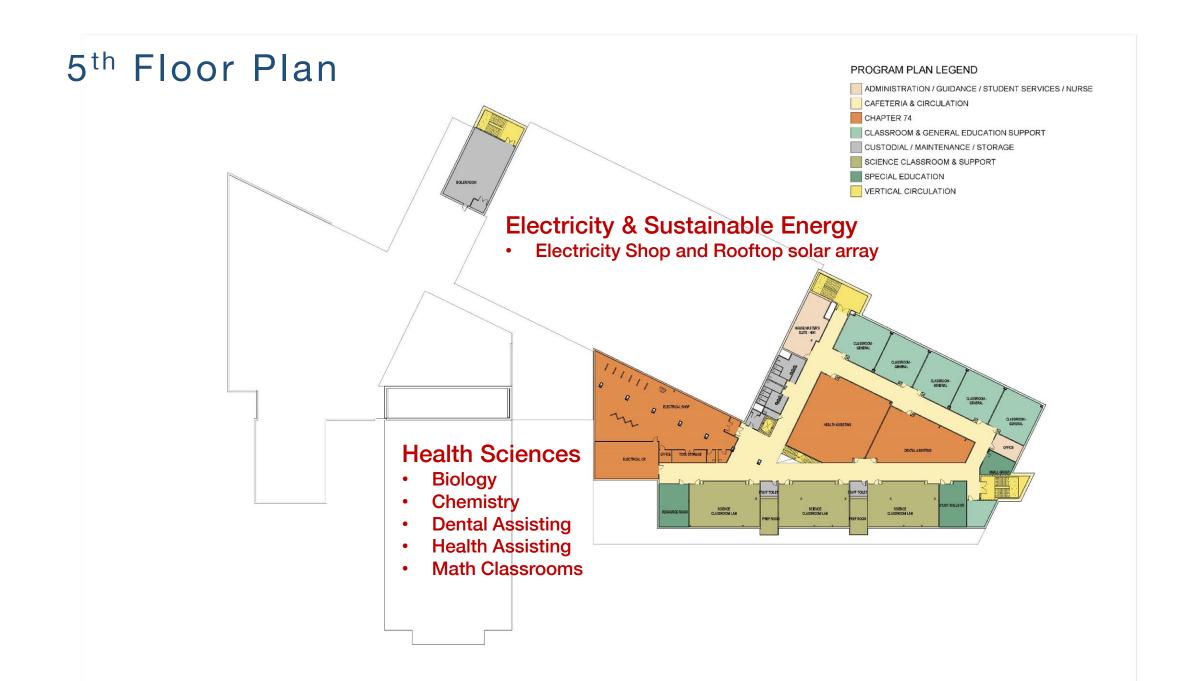






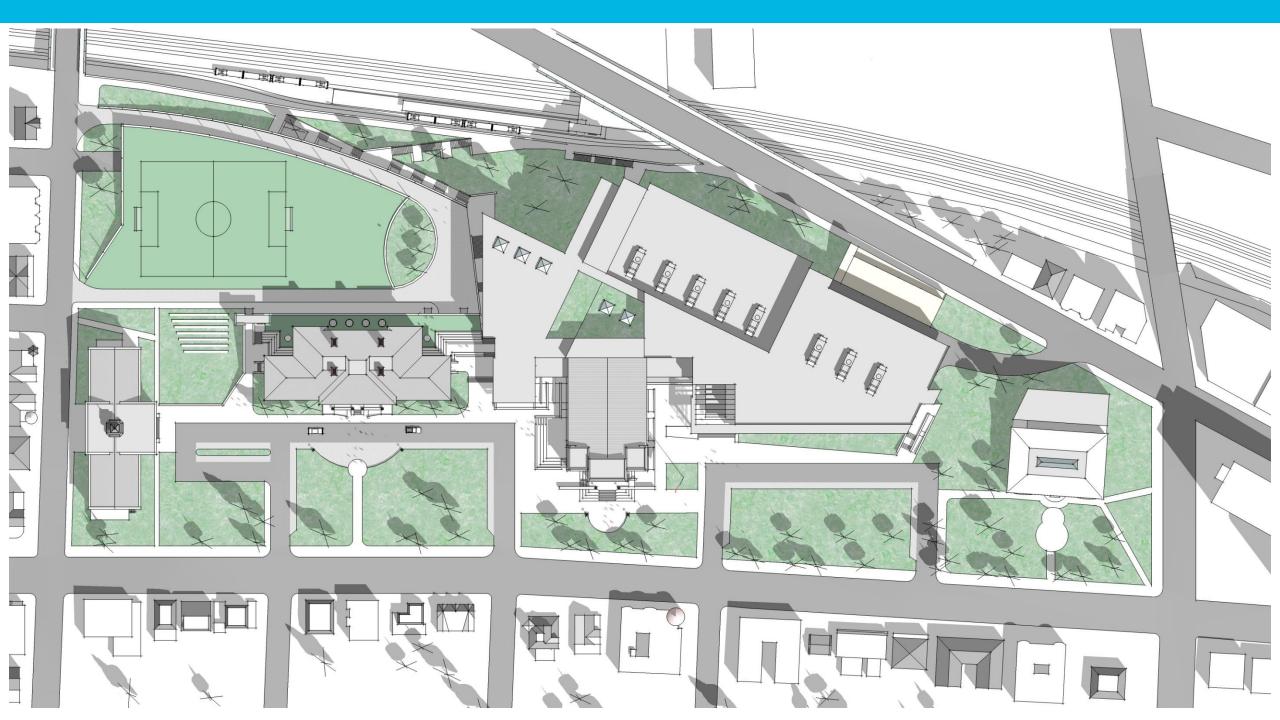






Fab Lab

-0



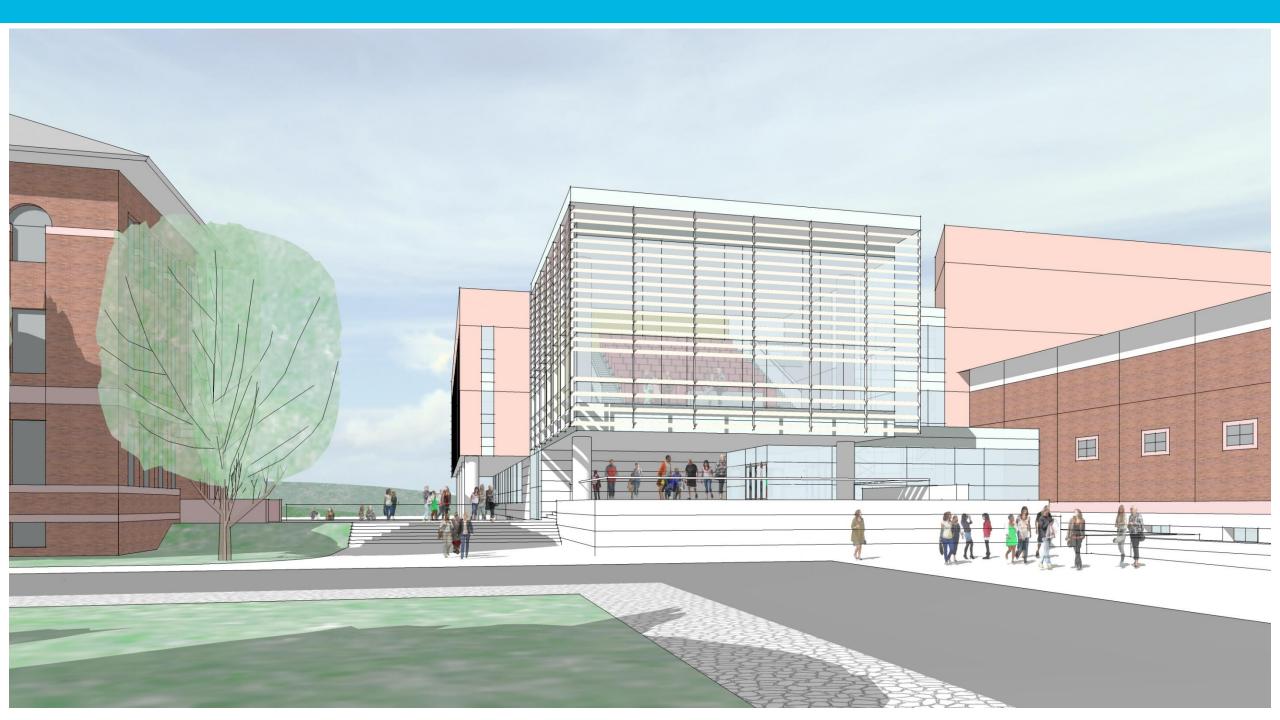








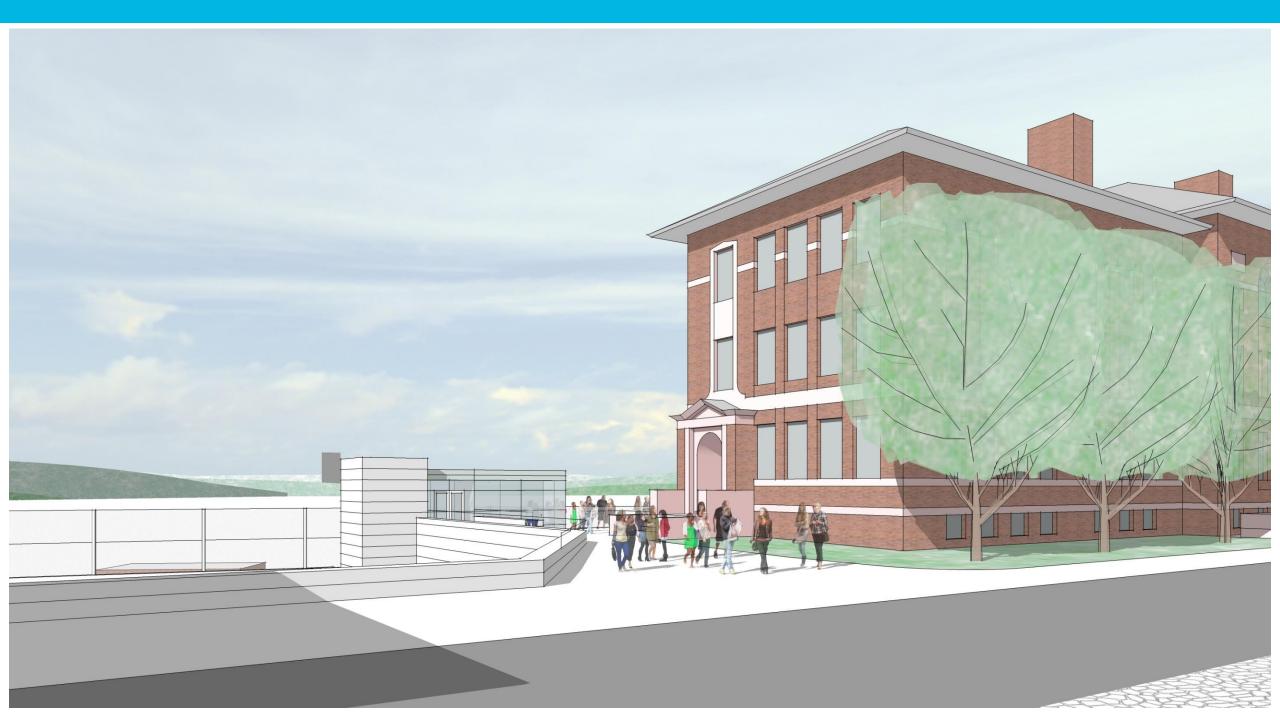










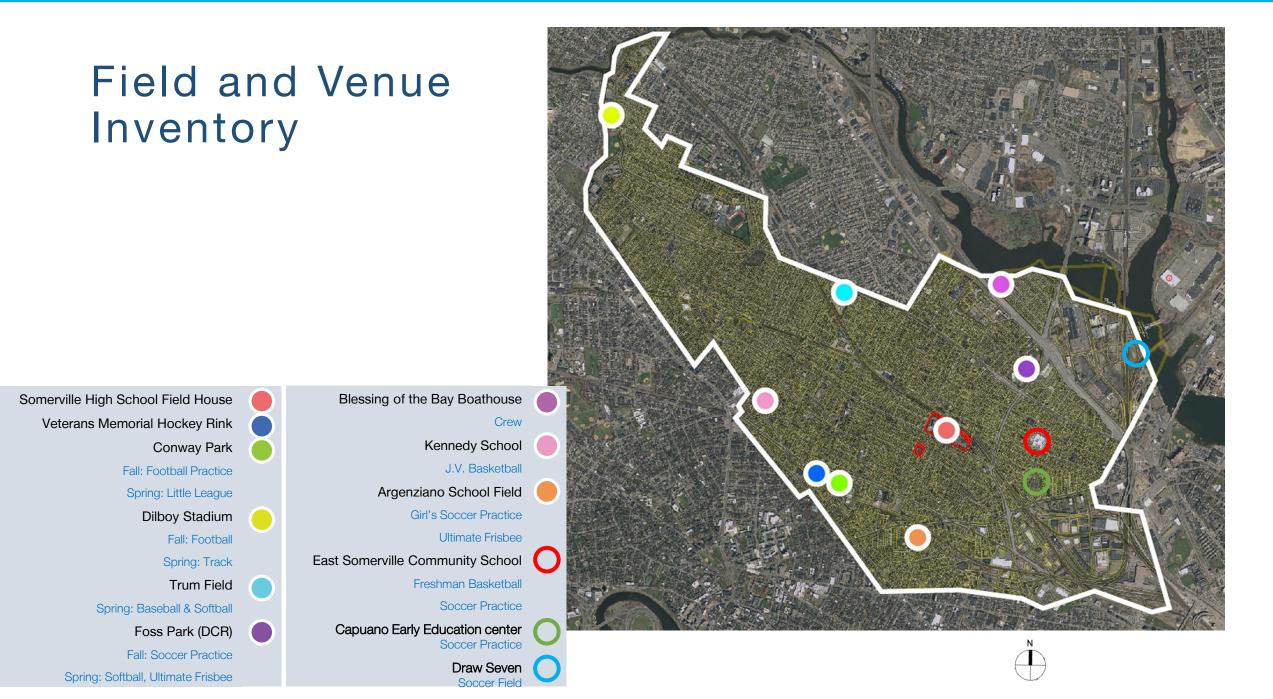
















MSBA Process- Somerville HS Timeline

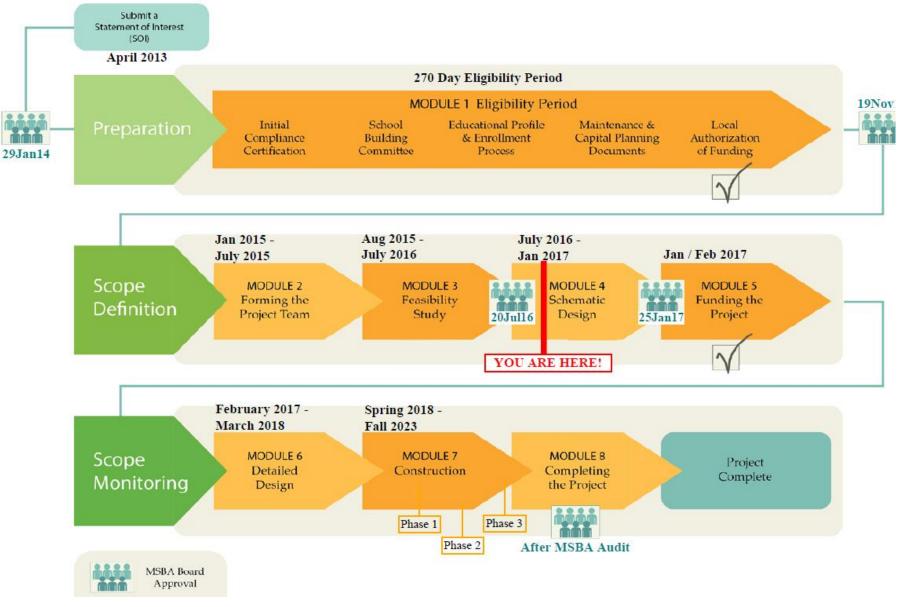










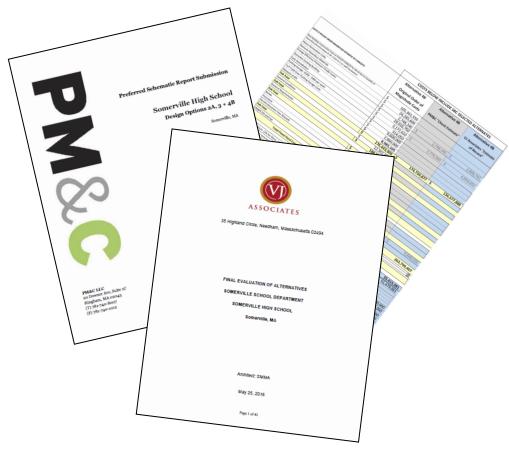


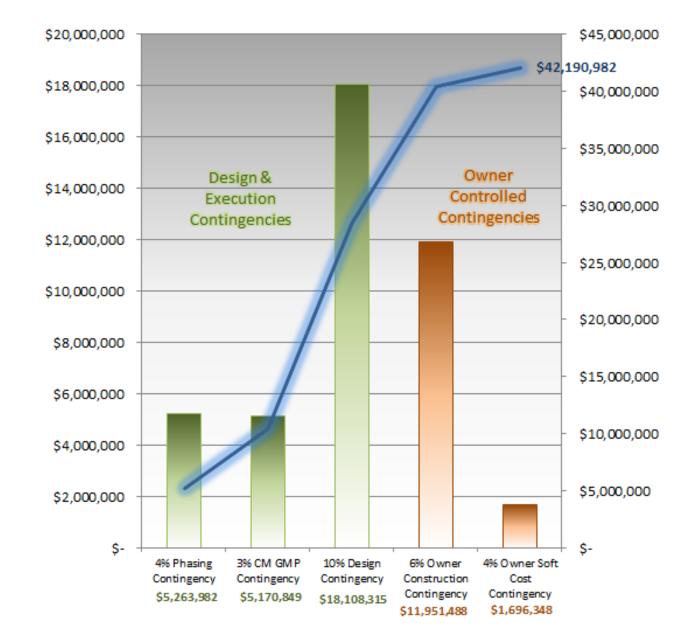
Recent Critical Milestones

- 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

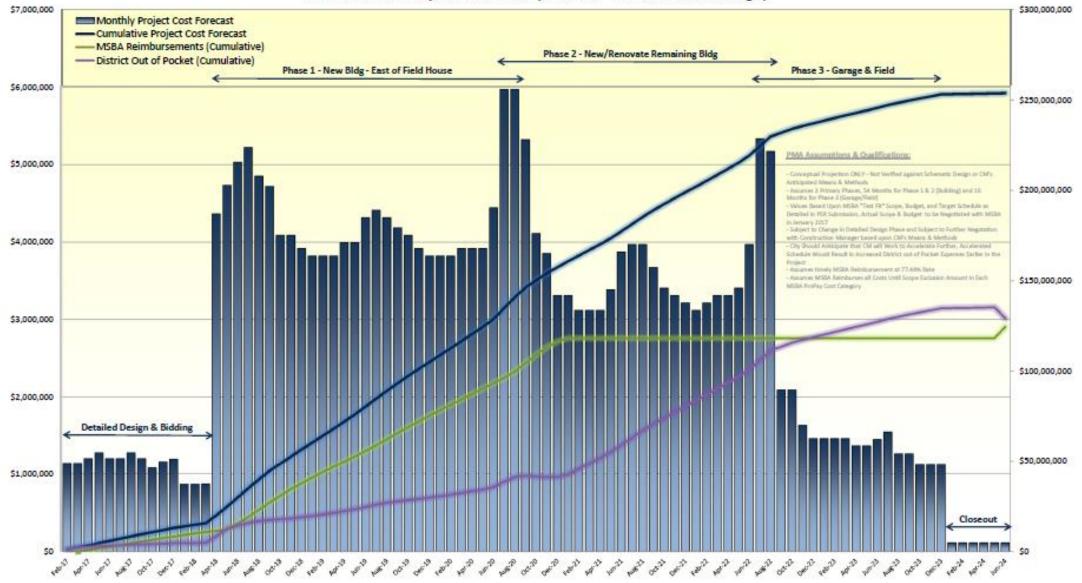
- THREE Estimating efforts (Two of those performed by 3rd party independent estimating firms)
- THREE Unique methodologies
- ALL Reconciled to within 0.8%





Phasing & Early Cashflow Projections

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

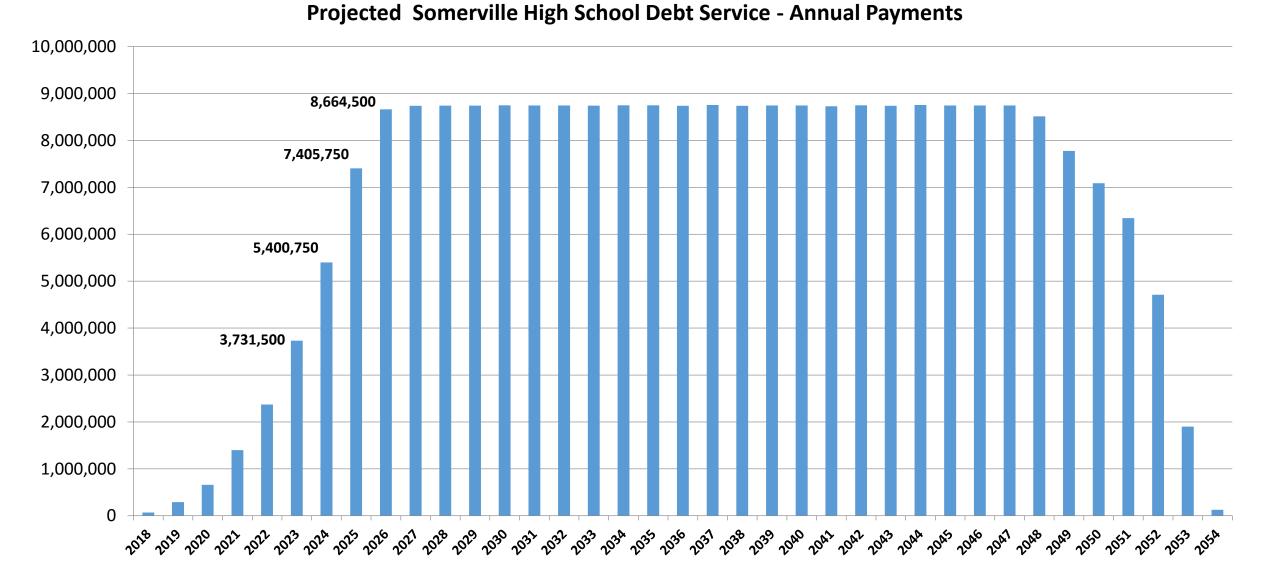




Projected 30-Year Debt Service

	\$130,300,000 Bonds - 30 Years A B C D E F G H H I											
	A	в	C	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 2026 2027 2028 2028 2029 2030 2031 2032	68,000 68,000 230,000 227,000 229,000 230,750 227,250 228,750 230,000 226,000 227,000 227,750 228,250 228,500 228,500	- 222,000 222,000 745,500 745,500 745,500 744,000 744,000 747,500 745,250 745,250 745,250 745,250 745,250 745,250 745,250 745,250	- 206,000 206,000 690,000 691,250 692,000 692,250 692,000 691,250 690,000 693,250 690,750 692,750 694,000	- - 220,000 220,000 740,000 740,500 735,500 740,250 739,250 737,750 735,750 735,750 738,250 738,250 740,000 736,000	- - 486,000 486,000 1,630,000 1,629,250 1,632,500 1,632,500 1,630,550 1,630,250 1,633,750 1,630,750 1,631,500	- - - 838,000 2,810,000 2,814,250 2,814,250 2,811,500 2,812,000 2,812,000 2,812,000 2,813,250	- - - - 528,000 528,000 1,770,000 1,772,500 1,773,750 1,773,750 1,772,500 1,770,000 1,771,250	- - - - - - - - - - - - - - - - - - -	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 8,742,200 8,742,250 8,750,750 8,745,500			
2033 2034 2035 2036 2037 2038 2039 2040 2041 2042 2043 2044 2045	228,250 227,750 227,000 226,000 229,750 228,000 226,000 228,750 226,000 228,500 228,500 228,500 228,500 228,500 229,500	743,750 746,750 743,750 745,000 745,250 744,500 744,500 742,750 745,000 746,000 745,750 744,250 744,250 746,500 747,250	689,500 689,500 693,750 692,000 689,500 691,250 692,000 691,750 690,500 693,250 689,750 689,750 689,500	736,500 736,250 740,250 738,250 740,500 736,750 736,750 740,250 737,500 737,500 738,750 738,750 737,500	1,630,750 1,633,500 1,629,500 1,629,000 1,631,750 1,632,500 1,631,250 1,633,000 1,632,500 1,629,750 1,629,750 1,632,250 1,632,250 1,632,250	2,812,750 2,814,750 2,814,000 2,810,500 2,814,250 2,809,750 2,812,250 2,811,250 2,811,750 2,813,500 2,811,250 2,814,250	1,771,000 1,774,250 1,770,750 1,770,750 1,774,000 1,770,250 1,774,750 1,772,250 1,772,250 1,772,250 1,770,250 1,771,000 1,774,250 1,7769,750	129,000 126,750 129,500 127,000 129,500 126,750 129,000 126,000 128,000 129,750 126,250 127,750 129,000	8,741,500 8,749,500 8,748,500 8,738,500 8,754,500 8,739,750 8,745,250 8,744,500 8,747,250 8,747,750 8,747,750 8,747,750 8,745,250 8,745,250			
2046 2047 2048 2049 2050 2051 2052 2053 2054 Total	226,250 231,000 - - - - - - - - - - - - - - - - - -	746,500 744,250 745,500 - - - - - - - - - - 21,307,000	692,500 689,000 689,250 693,000 - - - - - - - - - - - - - - - - - -	740,000 736,000 740,750 738,750 740,250 - - - - 21,114,250	1,629,000 1,633,250 1,629,250 1,632,250 1,631,750 1,632,750 - - - - 46,645,750	2,814,000 2,814,000 2,814,000 2,813,750 2,813,000 2,811,500 2,814,000 - - - 80,430,250	1,772,750 1,772,750 1,769,750 1,773,750 1,774,250 1,774,250 1,779,750 1,774,500 - - 50,673,750	125,000 126,000 126,750 127,550 127,550 127,550 127,550 127,250 126,750 126,750 126,000 3,644,500	8,746,000 8,746,250 8,515,250 7,778,750 7,086,750 6,343,000 4,711,000 1,901,250 126,000 250,106,750			

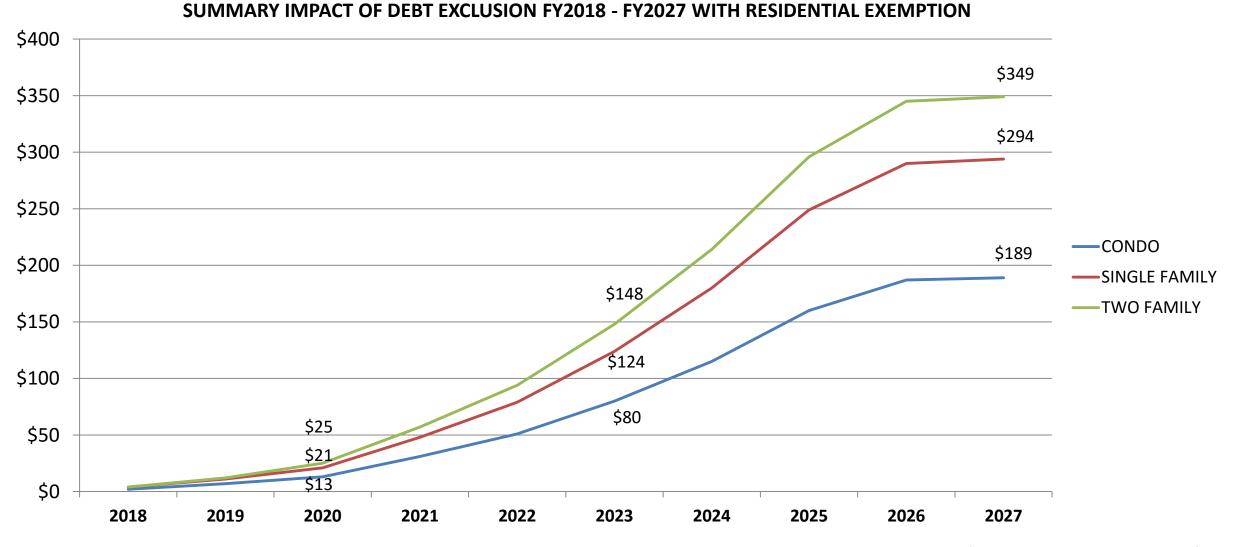
Full Debt Service Payments Start in 2026



Projected Impact of Debt Exclusion

WITH RESIDEN											
	FY	2018	2019	2020	2021	2022	2023	2024	2025	2026	202
	DEBT SERVICE	\$68,000	\$290,000	\$658,000	\$1,398,000					\$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	\$158	\$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 RES	IDENTIAL EXEMPTION		0, 1, 2, 3, 4-	8 UNIT USI	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

Projected Impact of SHS on Property Tax



Based on FY2016 Average Values

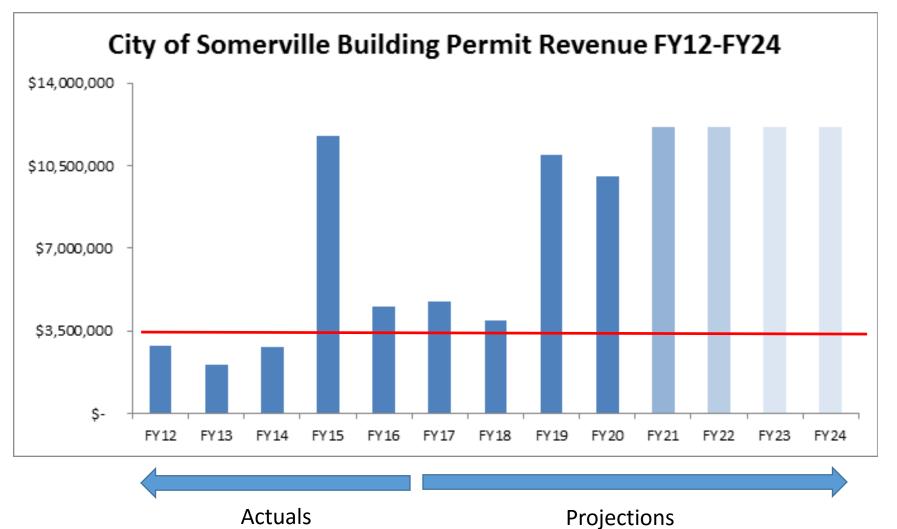
Mitigation Options Under Review

- 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

Maintenance costs Energy costs Systems and facilities needs

Estimated sale revenue Projected tax revenue once back on tax rolls

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.

• Traffic & Parking, 133 Holland St.



Prioritizing Reserves for Capital Investments

Stabilization Fund Balance Annual Free Cash Certification \$25 suoilliM \$14 \$24 M Millions \$11.5M \$12 \$10.6M \$10 \$8.2M \$15 \$7.4M \$8 \$6 \$10 \$4 \$5 \$2 \$0 **\$0** FY04 FY05 FY06 FY07 FY08 FY09 FY10 FY11 FY12 FY13 FY14 FY15 **FY08 FY09** FY10 FY11 FY12 FY13 FY14 FY15 FY16



For more information, go to www.somervillema.gov/highschool/

Thank you!