





SMERSET

SCHOOL

Project Team & Introductions

Community Forum #9 - May 6, 2021

School Committee

Robert Gaw
Shauna Geary, Vice Chair
Christopher Godet
Victor Machado, Jr.
Michael McDonald, Chair



School Building Committee

Michael Botelho Resident & Former School Committee Member

Richard Brown Town Administrator **Kathleen Byers** Middle School Teacher

Dr. Pauline Camara Middle School Principal

Carlos Campos Supervisor of Buildings and Grounds

Chris Godet Chairman of School Committee

Elizabeth Haskell Director of Curriculum and Assessment

Robert Lima Resident & Former Water Department Superintendent

Victor Machado, Jr. Chairman of Building Committee & School Committee Member

Steven Medeiros Resident & Project Architect

Nicole Mello Middle School Content Coordinator

Cassey Monte Middle School Special Education Coordinator

Nick Raffa Member at Large

Kevin Scanlon Resident & Licensed Massachusetts Construction Supervisor

Ira Schaefer Middle School Assistant Principal

Jeffrey Schoonover Vice Chairman of Building Committee & Superintendent of Schools

Ronald Tarro Director of Business and Finances

James Teixeira Advisory and Finance Committee Member

Board of Selectmen

Lorne Lawless, Chair Allen Smith



Massachusetts School Building Authority

Funding Affordable, Sustainable, and Efficient Schools in Partnership with Local Communities

Districts

Construction Professionals

MSBA Building Process

Module 1
ELIGIBILITY
PERIOD

Module 2
FORMING THE
PROJECT TEAM

Module 3
FEASIBILITY
STUDY

Module 4
SCHEMATIC
DESIGN

Module 5
FUNDING THE
PROJECT

Module 6
DETAILED
DESIGN

Module 7
CONSTRUCTION

Module 8

COMPLETING
THE PROJECT

Over the past 20 months •

Over 15,500 Collective Hours •

The Town of Somerset and its professional team has been completing a comprehensive Feasibility Study & Schematic Design with

VERY SPECIFIC guidance from the Massachusetts School Building Authority (MSBA).

Analysis, investigation, reporting, planning, meetings, design, discussion, and educational visioning & brainstorming discussions.

Over 1,600 Pages of Reports & Documentation

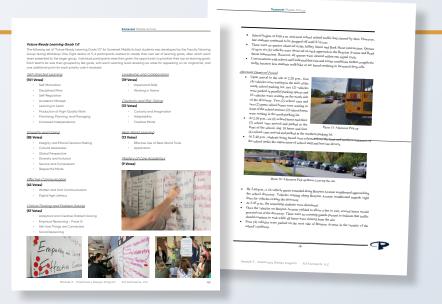
- Haz-Mat Inspection & Report
- Phase 1 Environmental Assessment
- Plumbing Evaluation
- Fire Protection Evaluation
- Electrical Evaluation
- Heating & Ventilation Evaluation
- Technology Systems Evaluation
- Structural Evaluation

- Educational Program Analysis
- Educational Visioning Program
- Building Evaluation
 - · Accessibility Review
 - Energy Code Review
 - Building Code Review
 - Historical Analysis
 - Department of Elementary & Secondary Education (DESE) Review
- Space Summary Spreadsheets

- Site Evaluation
- Existing Conditions Site Survey
- Phase I: Traffic Study Impact Analysis
- Geotechnical Investigations
- Site Utility Review
- Permitting Review
- Comparison Matrix
- Sustainable Design Review



Feasibility Study & Schematic Design



SMS | Project Timeline

2017/2018 2016 2019 2020 J F M A M J J A **RESUBMITTED Feasibility Schematic SOI** #1 SOL Design Study Statement of Interest Statement of Interest Single Project Solution Existing conditions March 16, 2016 October 31, 2018 assessments April 27, 2020 **Base Repair** Site analysis & Accepted into the School Committee investigation improvements **Core Program** Educational visioning School Building (window/door Invited into and programming with Committee replacement & HVAC/ staff, administration, **Feasibility Study Board of** boiler replacement) and students & Schematic Conceptual cost Selectmen at the existing Middle **Design modules** projections School. REJECTED **UNANIMOUS** APPROVED different APPROVAL options evaluated 6-8 New

Independent Cost Estimates PM&C **P**AEDALUS **Town's Financial Advisor** / Tax Impact Analysis **Hilltop**Securities A Hilltop Holdings Company **Estimated Total Project Cost** \$85 Million **Estimated Town Share** \$52 Million

Construction

2021

15

SOIs invited into MSBA Program

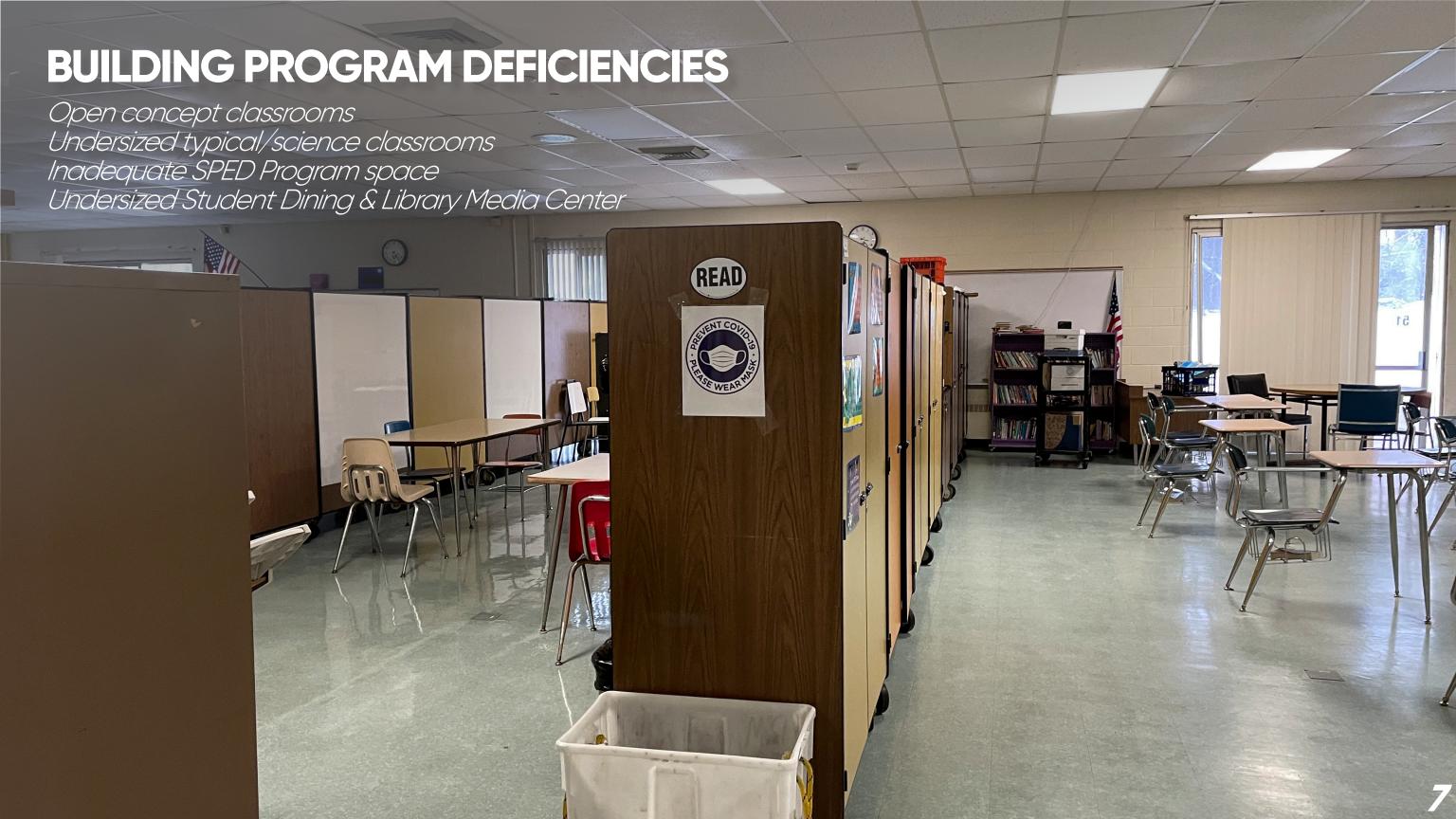
SOIs submitted

(Eligibility Period)

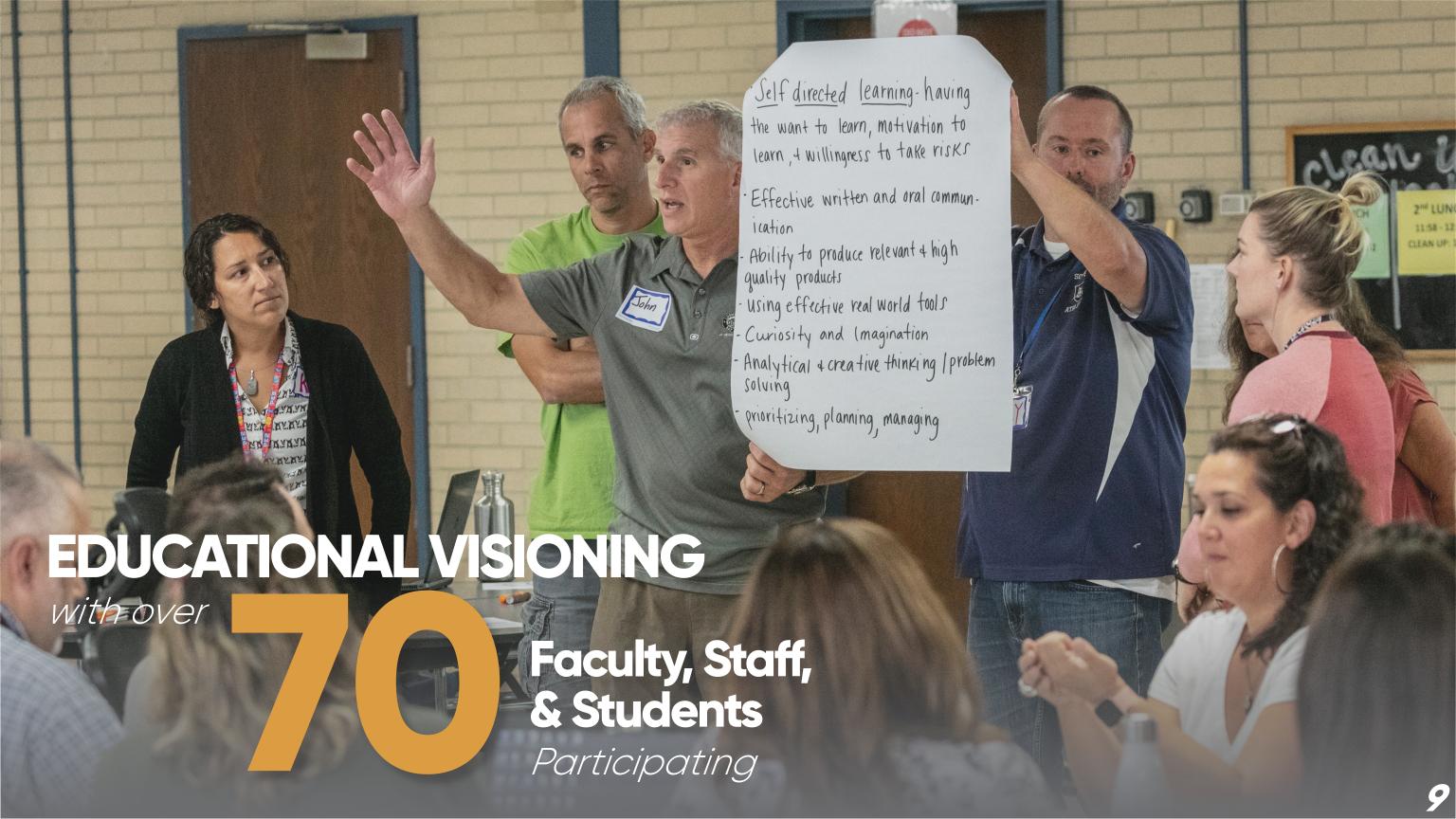
of annual Core
Program entrants
were accepted

in 2017















Cost Conscious Design Approach:



Throughout the Feasibility Study and Schematic Design process, the School Building Committee, School Committee, and Board of Selectmen have been **mindful of the financial impact the project** will have on the Somerset taxpayers, while planning a school that will serve the Town for the next 50+ years. The Committees have explored multiple ways to reduce the cost of the project, all resulting in a lower project cost to taxpayers.

- Selection of Option 4 Scheme 10.5 (6-8 New Construction vs. phased occupied renovation)
- Energy Efficiency Partnerships with local utility programs (NGRID, Liberty Gas); Energy Efficiency Rebates
- Proactive Building Maintenance Program (Additional 1.22% MSBA Reimbursement)
- Sustainability / Energy Efficient Project (Additional 2% MSBA Reimbursement)
 - LEED (Leadership in Energy and Environmental Design) Certification
- Strategic positioning of the new building:
 - Building placement optimizing the existing topography
 - Building organization and orientation based on solar path (maximize natural daylighting while minimizing operating costs)
 - Building placement to reduce gas, electrical, and water services from Brayton Avenue and Read Street
 - · Away from the existing building to reduce potential educational disruption during construction
 - · Away from the existing building to reduce occupied construction phasing and construction timeline
- Simplified and efficient organization of the new building floor plan
- Reduced footprint of the new building (via three-story building)
- Stacked academic floor plan to simplify building structure and building constructability
- Minimize roof transitions
- Use of cost effective, long lasting, durable, low maintenance materials (natural stone, brick, cementitious panels, glass fiber reinforced panels (GFRP))

PM&C Bid Result Tracking | 2020 - 2021

School	Building Size (GSF)	PM&C Estimate	General Contractor Low Bid	% Lower/Higher than Estimate	Bid Date
Watertown Cunniff + Hosmer ES	224,355 GSF	\$96,345,371	\$92,355,000	-4.16%	5/06/20
Saugus Belmonte MS	155,598 GSF	\$14,732,285	\$13,109,000	-11.02%	7/10/20
Gardner Gardner ES	147,120 GSF	\$70,402,699	\$61,550,000	- 12.57 %	10/25/20
Millbury Shaw ES	90,257 GSF	\$48,383,381	\$44,482,548	- 8.06 %	2/24/21
Easton Easton Early ES	148,422 GSF	\$74,188,588	\$63,489,000	-14.42%	2/23/21
South Yarmouth Dennis Yarmouth Intermediate MS	185,766 GSF	\$92,982,076	\$83,843,640	- 9.83 %	3/16/21
Amesbury ES	98,195 GSF	\$49,700,000	\$49,740,000	0.08%	4/28/21
Average		PM&C		-8.57%	

What is the ESTIMATED COST of the Proposed Project?

	Schematic Design
Project Design Phase	February 2021 Grades 6-8
	124,200 GSF
 Estimated Construction Cost	\$69,956,365
Estimated Total Project Cost	\$85,020,490
Estimated Town Share	\$52,420,736

Approximately

\$563 / square foot
Construction Cost
(Including Add Alt #1
PV reinstall)

Estimates assume a construction start of Summer 2022

^{1.} Third party cost estimates are not represented as the final construction costs, as the information they are based on are Schematic Design drawings.

^{2.} Estimates assume public bidding under Chapter 149 (Design-Bid-Build) of the MGL.

^{3.} Estimated Town Share does not include \$800,000 for the Feasibility Study previously approved by the Town.

Preliminary Tax Impact Analysis



COST SU	MMARY	20 YEAR TERM				
CATEGORY	BASE	\$100,000 Property Value		\$311,000 Property Value (Avg.)		
		Per Year	Per Month	Per Year	Per Month	
TOTAL	\$85.0M		\$10	\$375	\$31	
FSA	\$800K ¹	\$121				
MSBA	\$31.8M	\$121				
TOWN	\$52.4M					
COST SU	MMARY		25 YEAR TERM			
CATEGORY	BASE -	\$100,000 Property Value		\$311,000 Property Value (Avg.)		
		Per Year	Per Month	Per Year	Per Month	
TOTAL	\$85.0M					
FSA	\$800K ¹	\$107	\$9	\$332	င်၁၀	
MSBA	\$31.8M	\$107	ŞS	\$332	\$28	
TOWN	\$52.4M					
COST SU	SUMMARY 30 YEAR TERM					
CATEGORY	BASE -	\$100,000 Property Value		\$311,000 Property Value (Avg.)		
		Per Year	Per Month	Per Year	Per Month	
TOTAL	\$85.0M					
FSA	\$800K ¹	ćno	ćo	\$204	¢2E	
MSBA	\$31.8M	\$98	\$8	\$304	\$25	
TOWN	\$52.4M					

¹ Feasibility study was paid with cash appropriation.

Assumptions:

- * Amounts listed are approximate. Final values may change.
- * Estimated Interest rates range from (3%-4%) and are subject to change.
- * Tax rate impact assumes no growth in assessed value over the life of the bonds.
- * Tax rate impact assumes the residential to commercial/industrial/personal property tax rate shift will rema
- * Tax rate impact assumes the average home value will remain constant over the life of the bonds.
- * Bonds issued on average level debt service basis.
- * Information was extrapolated from data provided by Hilltop Securities, Inc.



February 24, 2021

School Building Committee, School Committee, & Board of Selectmen **Unanimously Approved**...

April 14, 2021

MSBA Board of Directors Unanimously Approved...

The construction of a NEW 124,200 GSF MIDDLE SCHOOL serving grades 6-8, that is:

- right-sized
- fiscally responsible
- educationally appropriate
- · safe, sound, and sustainable













Physical and visual connection between outdoor performance space and auditorium









High Performance Building Envelope

Energy efficient windows, roof, and high R-value insulation that increase energy efficiency, reduce operating costs, and increase student and teacher comfort levels







Strategic orientation of the academic wing to optimize natural daylighting

3-story classroom wing blended nicely into the existing site topography, reducing site construction costs and optimizing natural educational features





















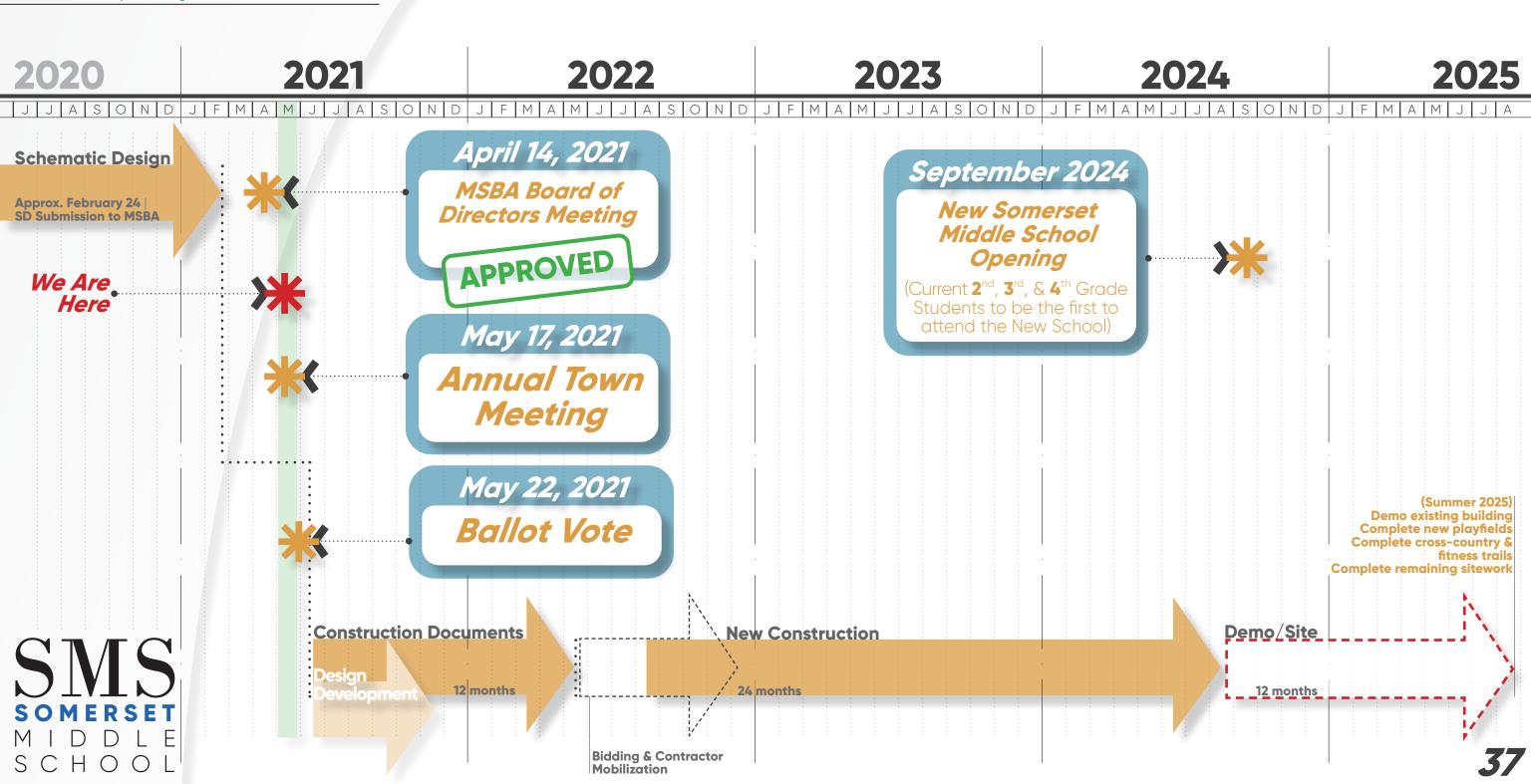


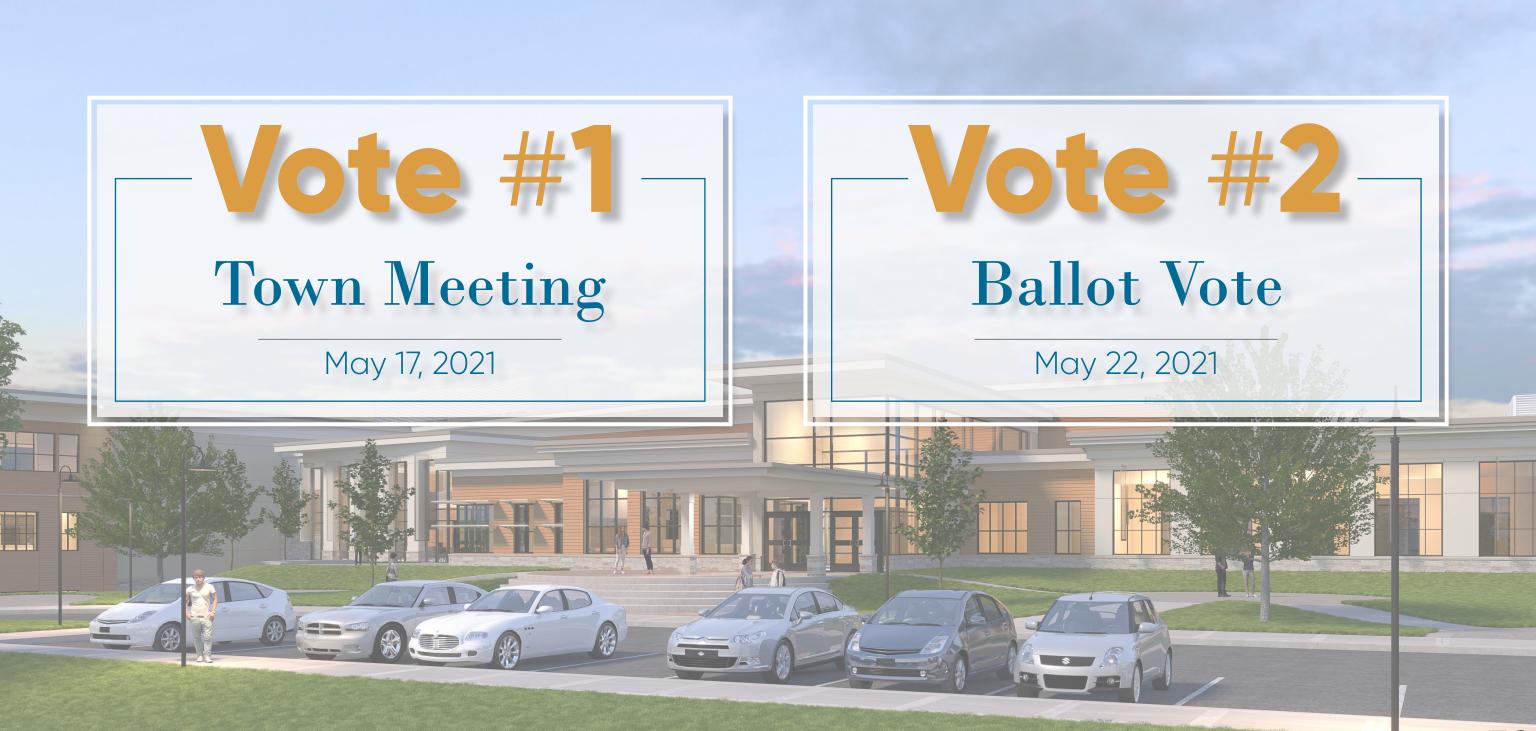






SMS | Project Timeline





FAILED VOTE

Somerset will forfeit the opportunity to receive a max grant of \$31,799,754 in state aid offered by the MSBA

The Town of Somerset will be required to **withdraw** from the MSBA Grant Program

The Town of Somerset will have to **submit another Statement of Interest** (SOI) and receive an invitation into the Eligibility Period Phase of the MSBA Process

Vote #1

Town Meeting Article

PASS VOTE

Vote #2

Ballot Vote

If eligible, Somerset will enter into the Feasibility Study again. MSBA will not reimburse for a second feasibility study.

an invitation that took more than four years for the initial round

September 2024

New Somerset Middle School Opening

(Current **2**nd, **3**rd, & **4**th Grade Students to be the first to attend the New School) PASS VOTE

The Town of Somerset will enter into the MSBA's Module 6: Project Scope and Budget Phase

The Design Team will proceed with Design Development and Construction Documents

The Project will go out to Bid and will enter into the Construction Phase

Frequently Asked Questions

What is the role of the Massachusetts School Building Authority (MSBA)?

Why did the SMS SBC/SC/BOS all endorse the construction of a new 6-8 Middle School instead of proposing to expand & renovate the existing building?

What are some of the existing building challenges?

What are the safety & security measures included in the proposed project?

What is the project timeline?

VI. What happens if the debt exclusion vote DOES or DOES NOT pass in May 2021?

What are the educational & community benefits associated with the new middle school?

VIII. What is the estimated cost of the project & what does it include?



IV.



Thanks for Participating!

Continued Communications

- For project related questions, please Email:
 - Email: smsbuildingproject@somersetschools.org
- For more info, visit our Website:
 - Somerset Middle School Building Project
 - Visit: http://bit.ly/SMSbuildingproject

Follow us on:







SMS_BuildingCommittee



Initial Design Categories

Evaluation Criteria

- Does it integrate the Town-wide economic Master Plan?
- Does it accommodate the Educational Program and Educational Visioning?
- Does it minimize disruption to Education during construction?
- Does it provide the most efficient Construction Schedule?
- Does it provide the most fiscally responsible solution?
- Does it provide the most sustainable, energy efficient solution?

Estimated Costs

- Estimated Construction Duration (Building only)
- Estimated Total Construction Cost
- Estimated Total Project Cost

Estimated Total Town Share

- Estimated Tax Impact per Month (per \$100,000 property value)
- Estimated Tax Impact per Year (per \$100,000 property value)
- Includes Window/Door and Boiler/HVAC replacement projects that were previously rejected by the MSBA as part of the SOI application review, as the deficiencies that required attention were more significant.
- MSBA reimbursement is UNKNOWN since the Base Repair projects were initially rejected by the MSBA.
- Base Repair projects only include code required upgrades and do not include educational improvements.
- Assumes scope of work completed in a 4 year period with phased occupied construction and an escalation rate of 2% each year.

*Base Repair Code Required Upgrades Only



48 months

\$23-\$25 million

\$37-\$40 million

\$37-\$40

\$76

DOES NOT address educational space deficiencies

DOES NOT address poor existing building organization

DOES NOT address poor existing building natural daylighting / indoor environmental quality

DOES NOT address existing bus and vehicular circulation and single site entry access

DOES NOT address existing site stormwater drainage issues

DOES NOT address deficiencies in site amenities/outdoor educational space/playfields

DOES NOT address long-term goals of the Town-wide Master Plan

EXTENDED educational disruption during construction

EXTENDED phased occupied construction timeline

Addition /



New Construction











42 months

\$74 million

\$91 million

\$55 million

\$8.50

\$104

24 months

\$69 million

\$85 million

\$52 million

\$8

\$98

NOT AN OPTION