Somerville High School

Community Forum #2



Somerville High School

Tonight's Agenda:

- Introductions & MSBA Process Overview
- History of Construction on the HS Site
- Education Plan & the PDP Report Overview
- Spaces for 21st Century Education
- Design Concept Alternatives
- Timeline & Next Steps





Somerville Free High School - 1852





The Latin High School - 1872





Public Library- 1880





English High School - 1895





Additions to English High School – est. 1914





Somerville High School - 1929





Somerville High School - 1957





Somerville High School – 1986 to 2015





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

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







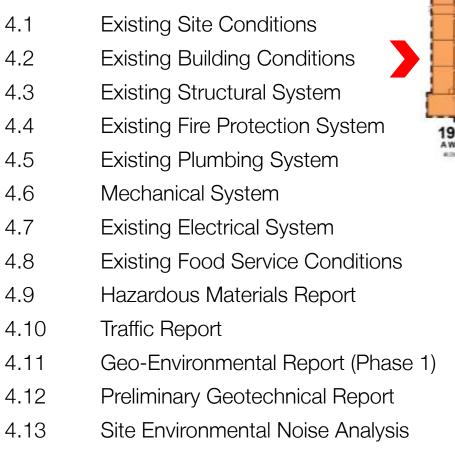






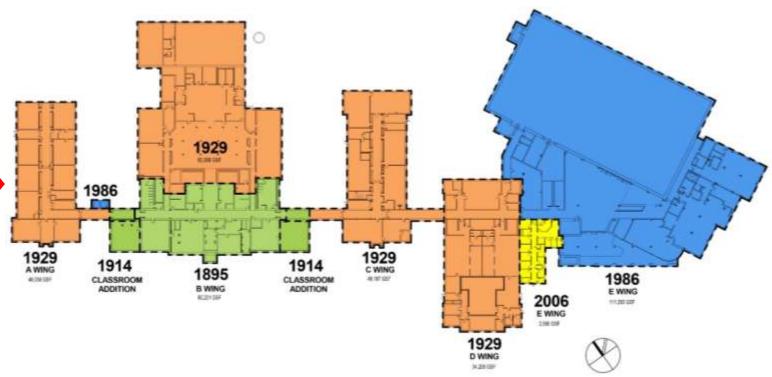
PDP Table of Contents

4. EVALUATION OF EXISTING CONDITIONS



Code Compliance Consideration Report

4.14





PDP Table of Contents

4. EVALUATION OF EXISTING CONDITIONS

4.1	Existing Site Conditions
4.2	Existing Building Conditions
4.3	Existing Structural System
4.4	Existing Fire Protection System
4.5	Existing Plumbing System
4.6	Mechanical System
4.7	Existing Electrical System
4.8	Existing Food Service Conditions
4.9	Hazardous Materials Report
4.10	Traffic Report
4.11	Geo-Environmental Report (Phase 1)
4.12	Preliminary Geotechnical Report
4.13	Site Environmental Noise Analysis
4.14	Code Compliance Consideration Report



HAZARDOUS MATERIALS SUMMARY REPORT

Somerville High School 81 Highland Avenue Somerville, Massachusetts

Prepared for

Symmes Maini & Mckee 1000 Massachusetts Avenue Cambridge, MA 02138

November 2015

CDW Project # 1491.0

PDP Table of Contents

2. EDUCATIONAL PROGRAM DIAGRAM

2.11 Performing Arts Programs

2.12 Physical Education Programs

2.13 Special Education Programs

2.14 Vocations and Technology Programs

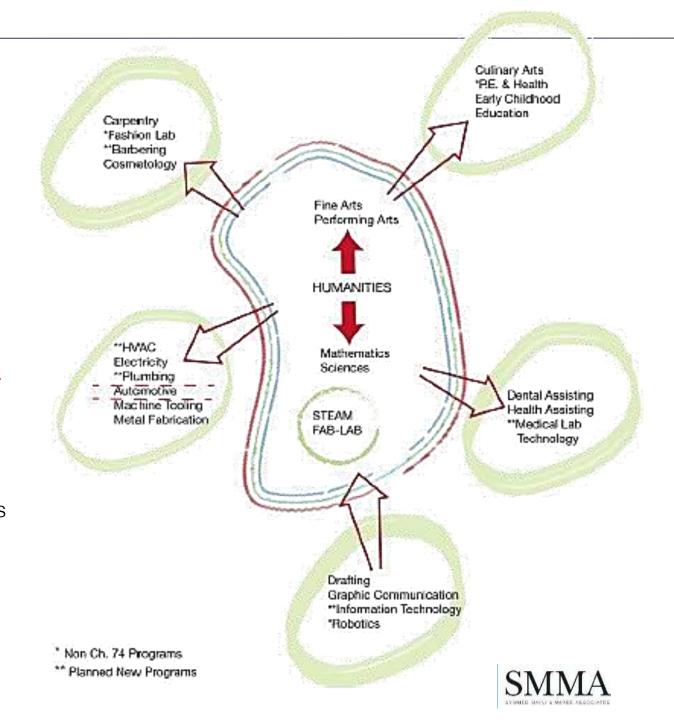
2.15 Narrative description of the types of

educational activities.

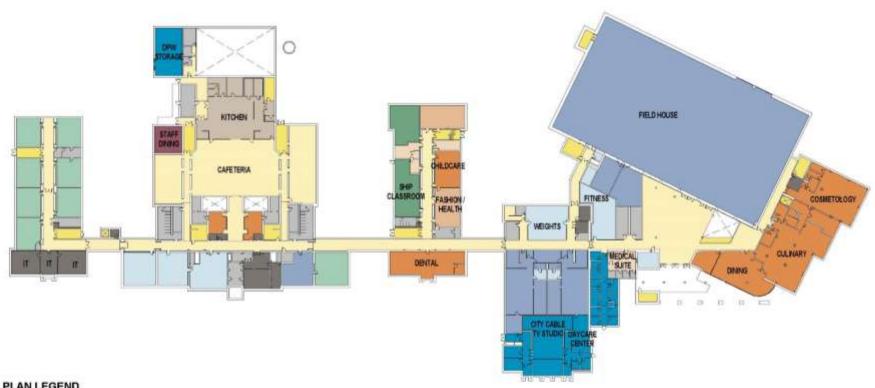
2.16 Transportation Policies

2.17 Functional and Spatial Relationships

2.18 Security and Visual Access Requirements



Existing High School – 1st Floor Program Plan



PROGRAM PLAN LEGEND

ADMINISTRATION / GUIDANCE / STUDENT SERVICES / NURSE	HEALTH & FITNESS
BUILDING EQUIPMENT	KITCHEN / SERVERY
CAFETERIA & CIRCULATION	PHYSICAL EDUCATION & SPORT SUPPORT
CHAPTER 74	SPECIAL EDUCATION
CLASSROOM & GENERAL EDUCATION SUPPORT	TEACHER PLANNING & SUPPORT
COMMUNITY USE	VERTICAL CIRCULATION
CUSTODIAL / MAINTENANCE / STORAGE	VOCATIONAL & TECHNOLOGY



LEVEL	AREA	
SHOP LEVEL	45900 SF	
1ST FLOOR	125420 SF	
2ND FLOOR	89960 SF	
3RD FLOOR	54080 SF	
4TH FLOOR	44220 SF	
TOTAL GSF.	359570 SF	



Existing High School - MSBA Program Deficiency Plan



Square Footage Meets MSBA Requirements

Not Within a Typical MSBA High School Program

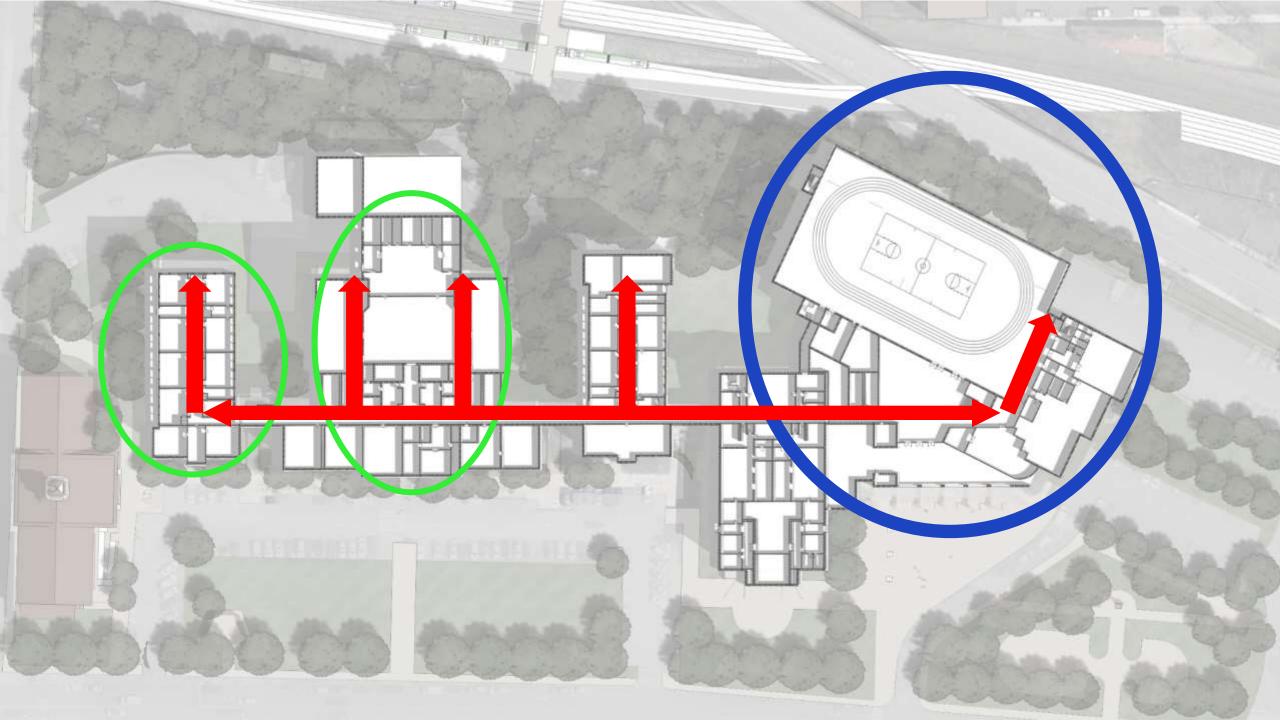
10% or More < MSBA Space Standards

Not Part of MSBA Program



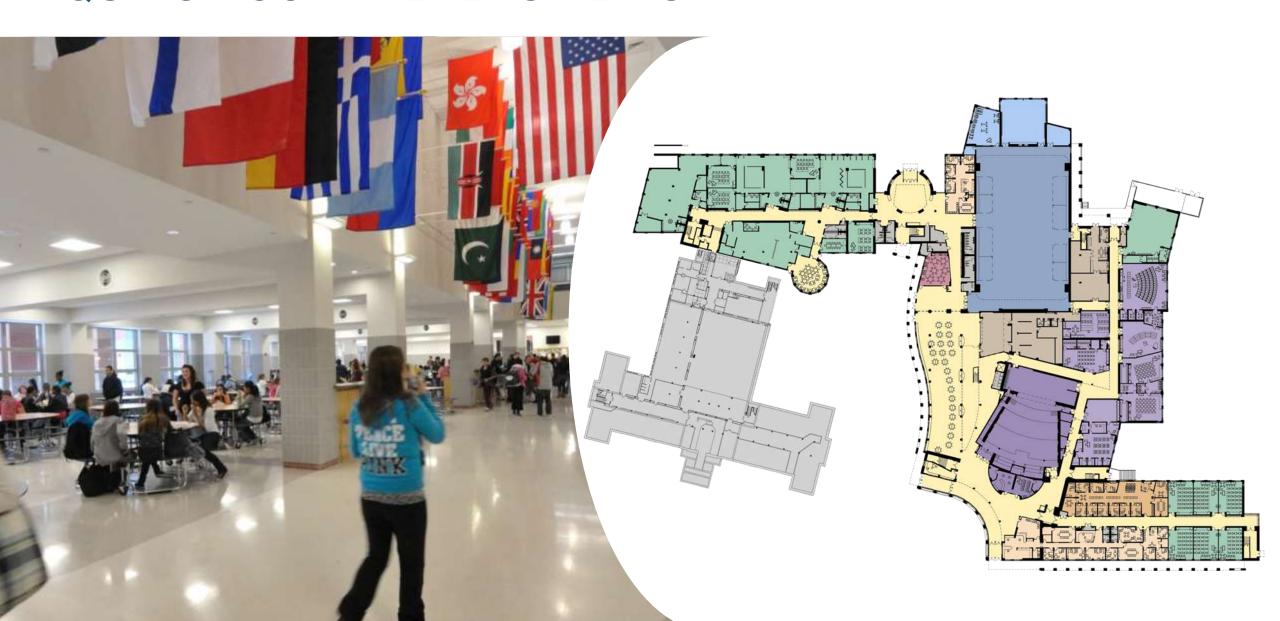
Somerville High School GSF					
LEVEL	AREA				
SHOP LEVEL RED PLANS	50470 SF				
1ST FLOOR	129100 SF				
2ND FLOOR	90200 SF				
3RD FLOOR	63710 SF				
4TH FLOOR	55030 SF				
TOTAL GSF:	388520 SF				

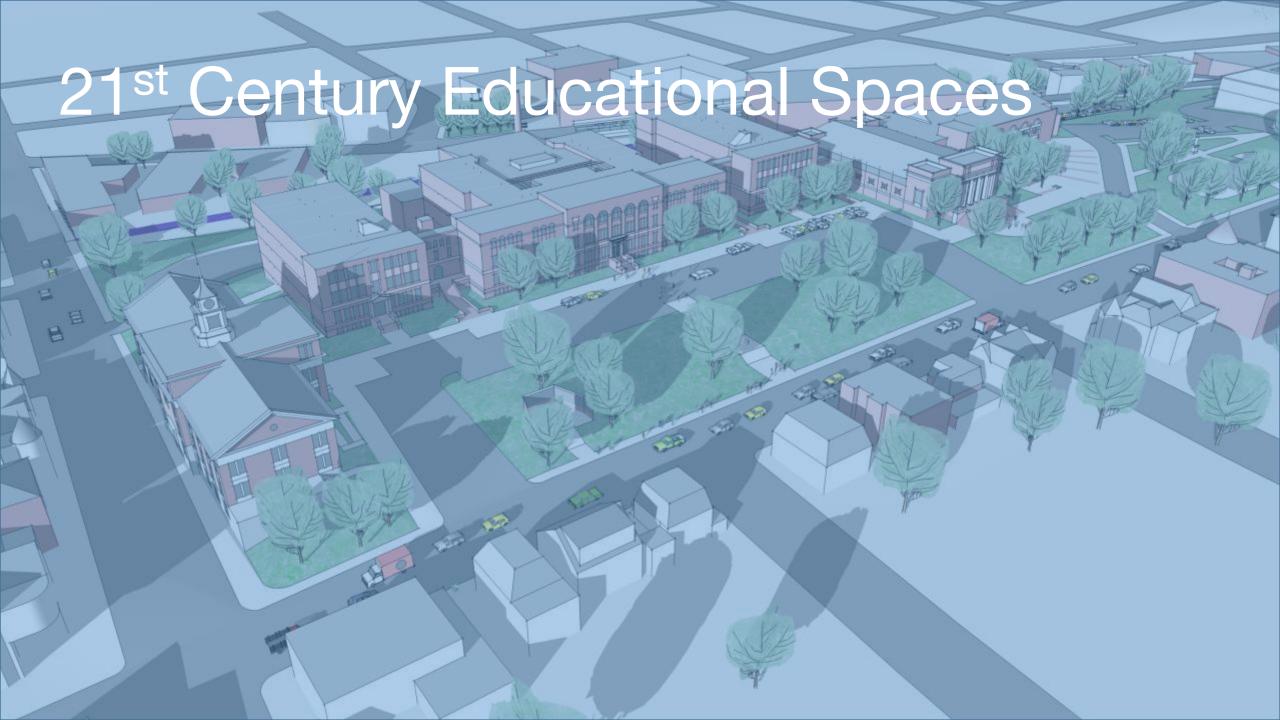




Project Tours:

QUINCY COMPREHENSIVE HS





21st Century Teaching & Learning

The 6 Rs

Reading
Writing
Arithmetic

Rigor

Relevance

c Relationship

The 4 Cs

- Critical Thinking
- Communication
- Collaboration
- Creativity

plus Citizenship

Head & Hand

Growth Mindset

- Student-Centered
- Interdisciplinary
- Technology-Infused
- Community
 Connected
- Problem- and Project-Based
- Process and
 Product Oriented









Educational Delivery

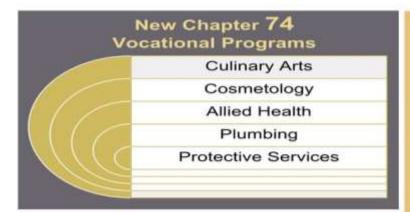
Where are you now? Where do you want to be?

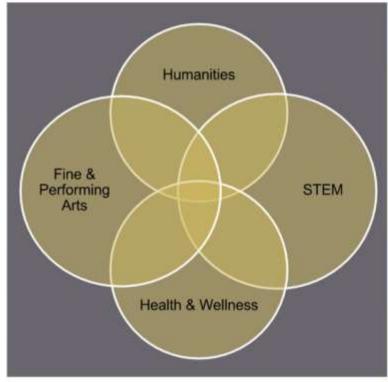
Past / Present?		Goals
Teacher-Centric	→	Student-Centric
Passive Learning		Active Learning
Classrooms		Flexible Learning Environments
Conventional Technology	→	1:1 Technology Environments
Individual	→	Collaborative
Subject-Based	→	Project-Based





21st Century Teaching & Learning





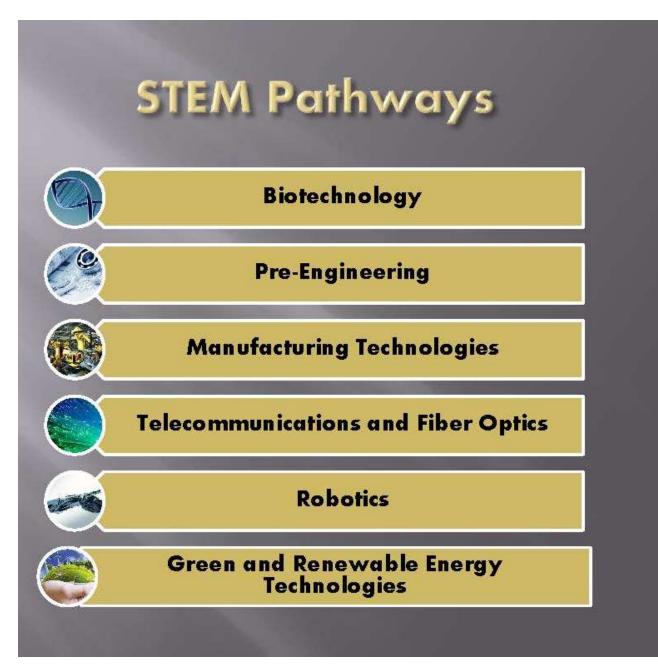
- Student-Centered
- Interdisciplinary
- Technology-Infused
- Community
 Connected
- Problem- and
 Project-Based
- Process and
 Product Oriented







Somerville STEM Pathways





















Auditoria and Arts









Fine Arts Academy

The Art of STEAM











1,500 SF
Acoustically isolated
Acoustically appropriate





Enrichment: Art



1,200 SF

Multipurpose

Appropriately daylit







Special Education Life Skills



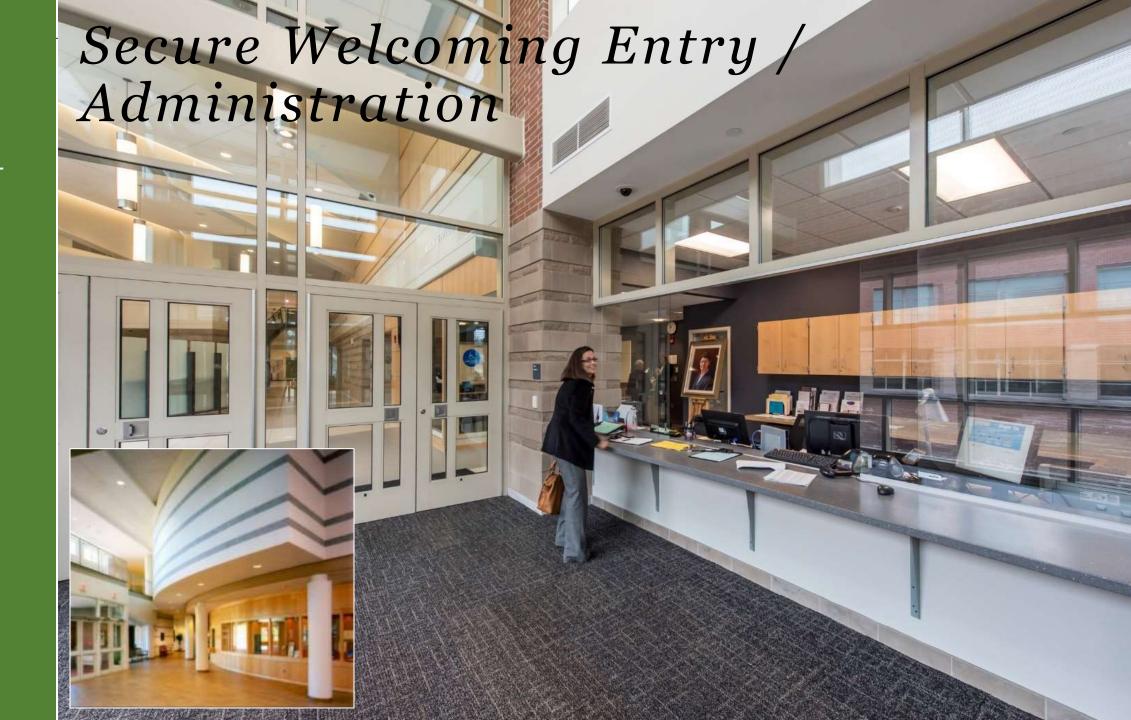


































Somerville High School Somerville Public Schools ALTERNATIVES CRITERIA MATRIX

	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
						all A			多
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







SCALE: 1" = 160'-0"

Alt 2

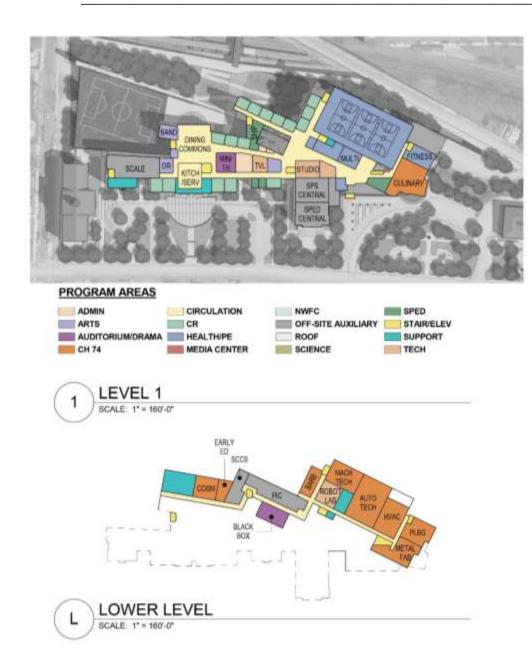
Alternative 2 – Addition / Renovation

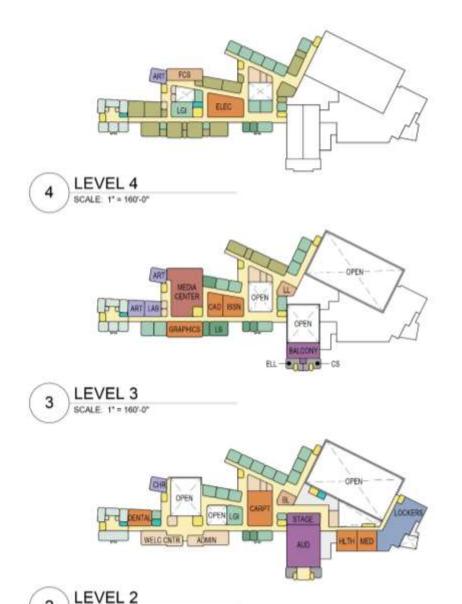
Renovate 1986 CTE Wing & Southern Portions of 1895/1929 Classrooms

New Auditorium & Cafeteria









SCALE: 1" = 160'-0"

Alt 2

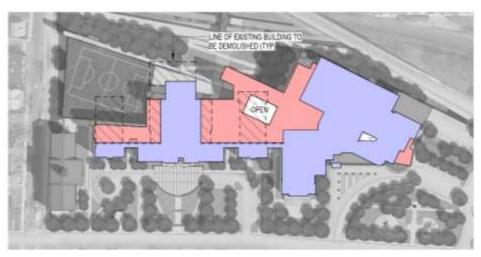
Alternative 2 – Addition / Renovation

Renovate 1986 CTE Wing & Southern Portions of 1895/1929 Classrooms

New Auditorium & Cafeteria



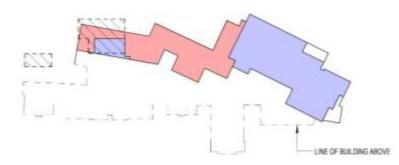




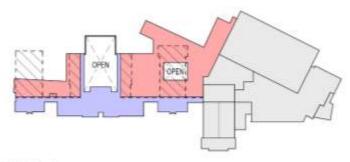
CONSTRUCTION LEGEND

RENO ROOF

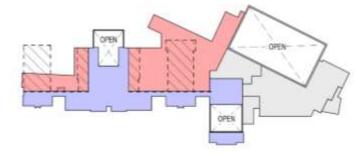
LEVEL 1 SCALE: 1" = 160'-0"



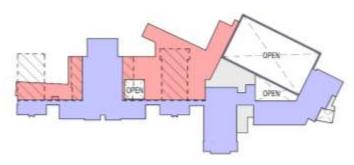




LEVEL 4



LEVEL 3



LEVEL 2 SCALE: 1" = 160'-0"

Alt 3

Alternative 3 – Addition / Renovation

Renovate 1986 CTE Wing & Southern Portions of 1895/1929 Classrooms

Renovate Auditorium

New Cafeteria









LEVEL 2

SCALE: 1" = 160'-0"

Alt 4

Alternative 4 – Addition / Renovation

Concourse Approach

Enclosed / Open Central Circulation and Activity Space – Incorporates Cafeteria

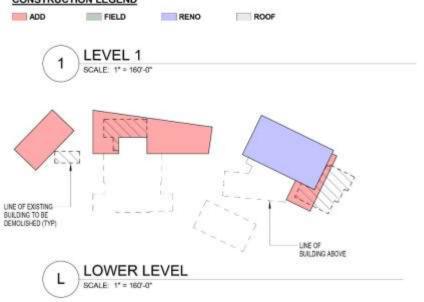
Renovate 1986 CTE Wing & 1895/1929 B Wing

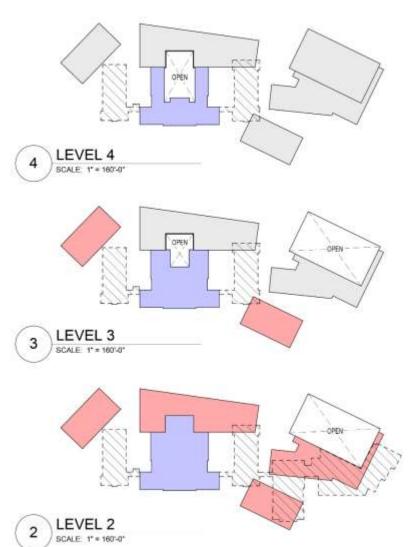
Renovate Auditorium











Alt 4a

Alternative 4a – Addition / Renovation

Campus Approach

Renovate 1986 Gymnasium & 1895 Building

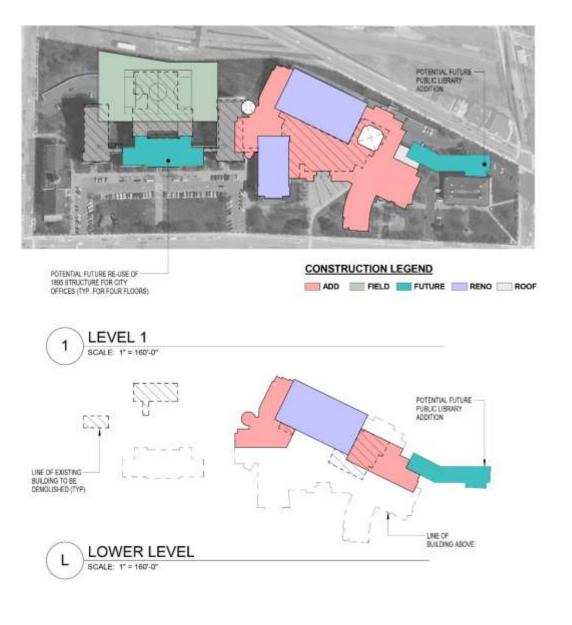
Renovate Auditorium

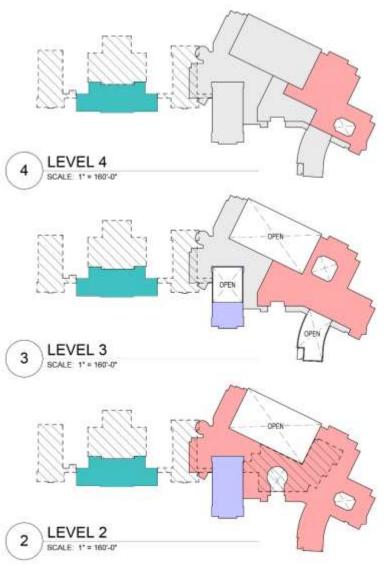
New Cafeteria

New Disconnected Buildings









Alt 4b

Alternative 4b – Addition / Renovation

Build HS to East Site

Enclosed / Open Central Circulation and Activity Space – Incorporates Cafeteria

Renovate 1986 Field House & CTE Spaces below Wing & D Wing (1929 War Memorial)







Alt 5

Alternative 5 – New Construction

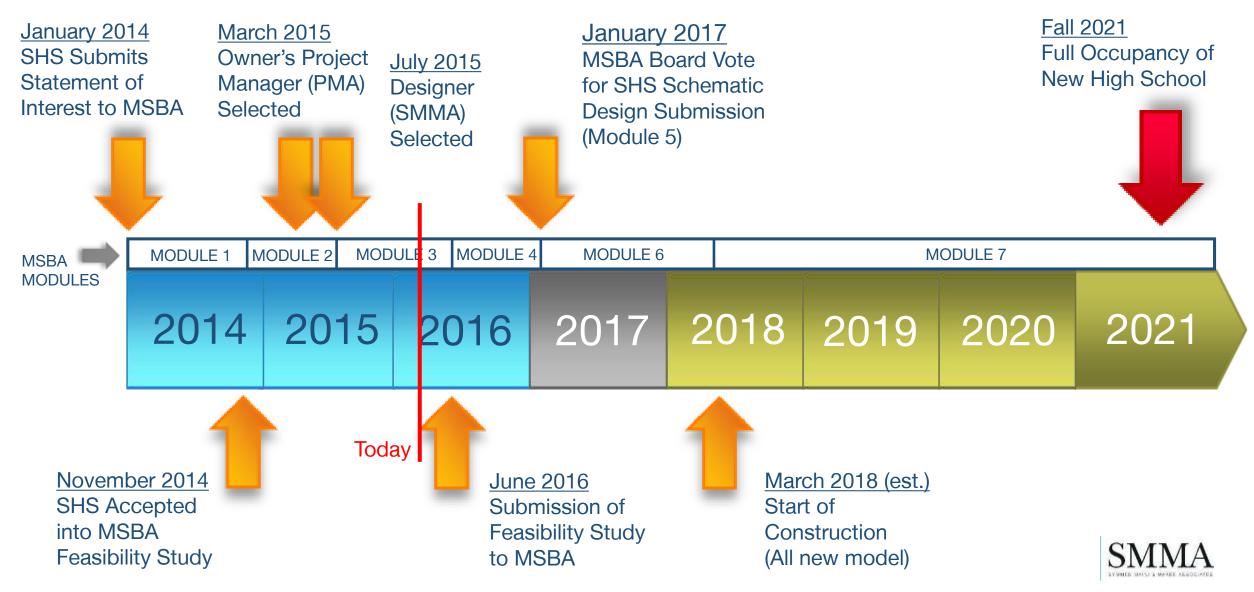
Demolish Existing High School and Build Completely New on the Existing High School Site







Updated Project Schedule



Somerville High School

Frequently Asked Questions:

Q: Where can I obtain more information about the project?

A: A project web site has been established for the project, and will be continuously updated with project information. The web site address is:

http://www.somervillema.gov/highschool/



