

IMAGINING POSSIBILITIES

FOR TRUMBULL'S SCHOOL FACILITIES

TRUMBULL, CT

BOE Retreat

Cooperative Educational Services
May 8, 2023



Introductions

Key Components

WHERE WE'VE BEEN
WHERE WE ARE TODAY
WHERE WE'RE GOING

Opportunities for discussion along the way

How to Stay Connected



UTILIZATION & PROGRAMMING



EDWARD WIDOFSKY AIA, LEED AP BD+C

Project Manager Tecton

OVERSIGHT & DAY-TO-DAY CONTACT



JEFF WYSZYNSKI AIA

Principal-in-Charge Tecton

COMMUNITY ENGAGEMENT



ANTONIA CIAVERELLA EDAC, LEED AP BD+C, WELL AP, FITWEL

Architectural Designer Tecton

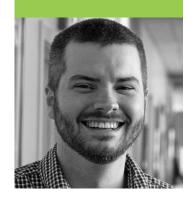
BUILDING CONDITION ASESSMENT



ALISON FROST

Project Architect Tecton

CONSULTANT EXPERTISE



BRAD PARK MEP Engineer LEED AP BD+C

MEP Engineering
Principal, CES

CONSULTING ENGINEERING SERVICES

MEP Engineering

MCKIBBEN DEMOGRAPHIC RESEARCH
Enrollment Projections & Demographics Study

Introductions



Central Office

Dr. Martin Semmel Superintendent

Dr. Susan C. IwanickiAssistant Superintendent

David CoteDirector of Operations

Christina Hefele
Director of Digital Learning

Lauren Butler Secretary to the Superintendent

Maria Vaz
Registration and Residency

Dawn PerkinsTransportation Coordinator

Board of Education

Lucinda TimpanelliBoard Chair

Tim Gallo
Jackie Norcel
Alison Squiccimarro
Marie Petitti
Christopher Bandecchi
Julia McNamee
Lisa Nuland

Administration

Dana PiercePrincipal, Booth Hill

Gary KunschaftPrincipal, Daniels Farm

Gina Prisco Principal, Frenchtown

Pat Horan Principal, Jane Ryan

Administration, ctd.

Debra PontePrincipal, Middlebrook

Bryan RickertPrincipal, Hillcrest

Katie LairdAssistant Principal, Hillcrest

Peter SullivanPrincipal, Madison

Paul CoppolaAssistant Principal, Madison

Marc Guarino
Principal, Trumbull High School

Dr. Linda PaslovDirector, Agriscience &
Biotechnology Center

Deborah McGrathDirector, REACH

Dr. Matthew WheelerPrincipal, TECEC

Others

Public Works Administration

Trumbull PTA Council



Existing Conditions

- **Physical condition** of building exterior, interior, systems and site
- Code and life safety systems analysis
- Programmatic needs and concerns based on condition
- **Prioritization ranking system** as a tool for long-term planning

Demographics & Utilization

- Highest projected enrollment per building over the next 10 years
- Allowable SF per the State of Connecticut
- Useable space versus unassignable space per building
- Benchmarking of core spaces (gym, cafeteria, media) against state standard, per building

Options & Final Plan

- Available "swing space" within the building, (if any)
- Capacity and condition of the site for a new building or addition
- Best strategic first step, followed by a long-term plan
- Other opportunities or variations on the long-term plan



New to the Process?
No worries...

Have a question but prefer to put it in writing?

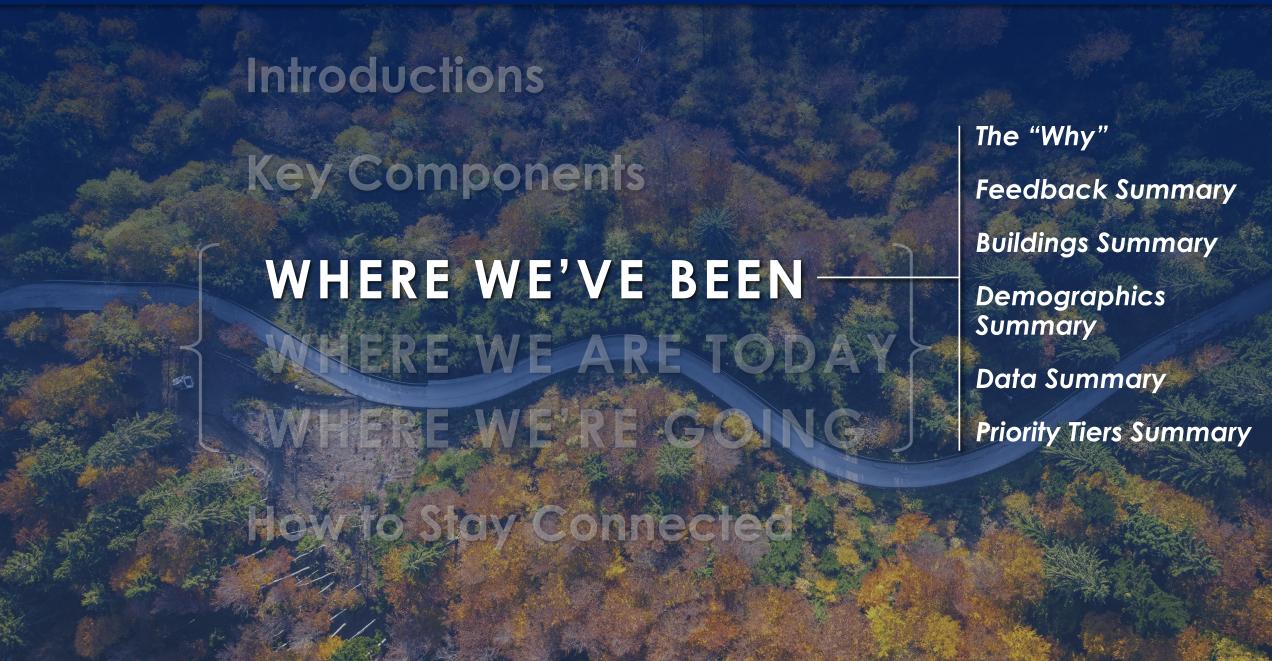
Project Email:

DistrictPlan@trumbullps.net

Project Website:

https://www.trumbullps.org/about-us/master-plan







The Scope.

Analyze the existing facilities for age/condition, program needs, capacity & utilization.

Conduct a demographic study for enrollment projections, develop a population forecast.

Identify a planning strategy for future educational delivery and building use to serve the Town for the next 10-15 years and beyond.

The Goal.

Prioritize the need across the district based upon **objective analysis** (Program, condition, capacity).

Develop a plan to alleviate capacity concerns and build in flexibility (elementary and middle schools).

Provide a consistent, transparent, and interactive process to engage the community to develop the best plan overall for **Trumbull**.



invelope technology

Higher levels of putdoor air contributes to higher test scores in math and reading

Research reinforces the importance we already recognize ...

ventilation rates, students complet

...that our students and teachers deserve quality environments!

Increases
happiness and
pro-social
behavior

In nature, or views to nature, leads to fewer mistakes on

In daylit classrooms, students progress

20%

Faster on math tests Faster on reading



COMMUNITY
CONVERSATIONS &
WORKSHOPS

BOE Workshop

September 20th

Conversation #1

Conditions, Utilization & Thinking Big! – 11/17

Conversation #2

Opportunities & Options – 2/2

Conversation #3

Refined & Preferred Option – 3/22

Conversation #4

Finalizing the Plan & Next Steps – 4/26

DIGITAL TOOLS

Survey #1

Understanding the priorities

Project Website

Communicating Progress

Project Email

On-Going Communications

NEXT STEPS?

Survey #2

Solicit Feedback On Options

Video Clips

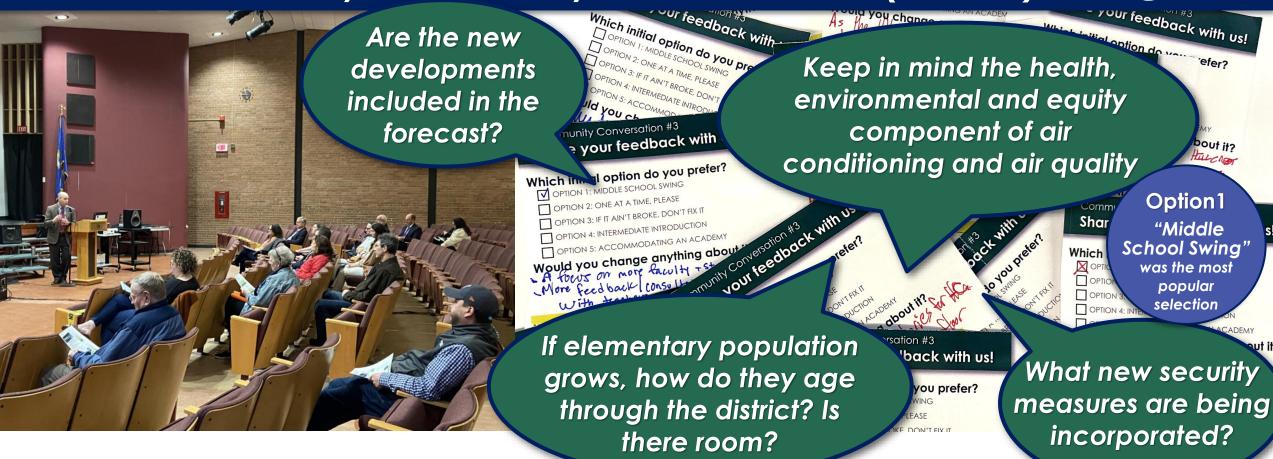
Summarizing Options

Board Updates

(BOE, Town Council, Others?)

Feedback Summary - Community Conversation #3 (3/22/23)





What if we reduced our elementary schools from 6 to 5?

What if we expanded our elementary schools from 6 to 7?

What if we redistricted to address current capacity issues?

Where We've Been – Community Conversation #2 (2/2/23)





https://www.youtube.com/watch?v=MISYTrsaNyl

| Imagining Possibilities | Imagining Possibilities

Will a new school bring new families into the district?

With 13 total buildings, will this master plan involve simultaneous projects?

What about swing space? Are we paying extra or using neighboring buildings?

Does capacity change based on the educational model?

How much of a building must be kept to qualify for RNV status?

Are current /
ongoing repair
projects being
factored in?



How many buildings do not have sprinkler systems?

There are 3 buildings without full sprinkler protection:

- Hillcrest Middle School (no sprinkler protection) Tier 1 building
- REACH (no sprinkler protection) Tier 1 building
- Long Hill Administration (partial sprinkler protection) Tier 1 building

What buildings <u>have</u> adequate & compliant air conditioning?

Per the ongoing HVAC study by Silver Petrucelli:

- TECEC Tier 3 building
- Frenchtown Tier 3 building
- Agriscience & Biotechnology Tier 3 building
- (Trumbull High School and Long Hill were not studied)

Questions from Community Conversation #2 (2/2/23)



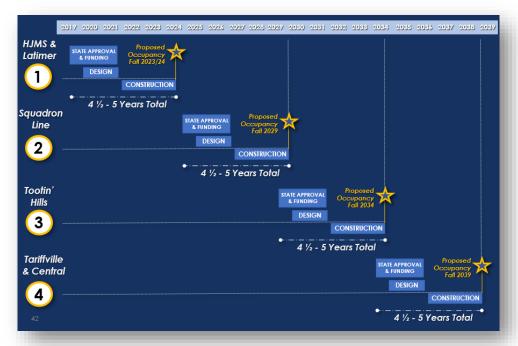


What are other districts doing? Any examples to share?

Simsbury's "First Best Step" Approach:

Maintaining their neighborhood schools was key, but to maximize impact to students district-wide, they chose a 6th Grade Addition at the Middle School & a Renovate Like New (RNV) of an Elementary School as the first step. Then, tackling each subsequent school one-by-one.

TOTAL TIME COMMITMENT: 20 YRS (done 2039)



Cheshire Elementary Schools

Optimization and construction of two new elementary schools PK-5, K-5, total project cost ~ \$170M

Norwich Elementary Schools

Consolidation and construction of four new elementary schools ~ \$385M

Darien Elementary Schools

Modifications to three elementary school ~ \$82.3M

Madison Elementary Schools

Optimization and construction of new elementary school and modifications to current intermediate school ~ \$89.2M

Simsbury Elementary Schools

Renovate like new to Latimer Lane – Step 1 of Elementary Renewal Program, Step 1 ~ \$39M, Overall \$215M

South Windsor Elementary Schools

10-year Master Plan, Consolidation from 5 to 4 Elementary Schools, Four new builds, ~ \$161M completion 2023

Brookfield Elementary Schools

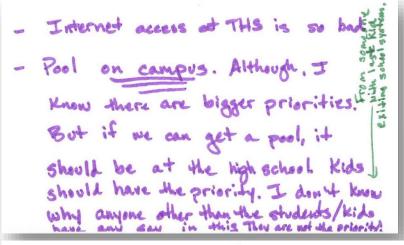
Optimization of Elementary School, New Construction ~ \$78M

Where We've Been - Community Conversation #1 (11/17/22)



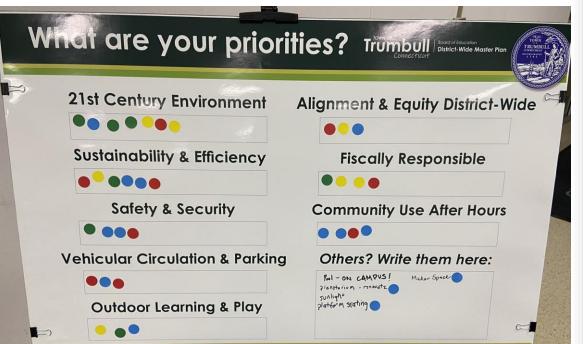
Tecton architects





Outdoor Program use Shade / electical

Community +ccess



We are very focused on student achievement Our air quality in the buildings is very poor. These are unbearable working and learning Conditions. It is over 100 digrece in my dassroom very often during the summer

months (may, Jun, parents @ students

complain often. several studen askep each ye terrible for leas

Ventilation are susceeding Particularly alicenditing un-engaged. Specials rooms

I have Students who have bud asthma in these conditions. Please, this needs to chan

Where We've Been - Community Feedback



Do you believe there is a need to improve the physical condition of Trumbull's public schools?







Trumbull District-Wide Master Plan - Community Survey

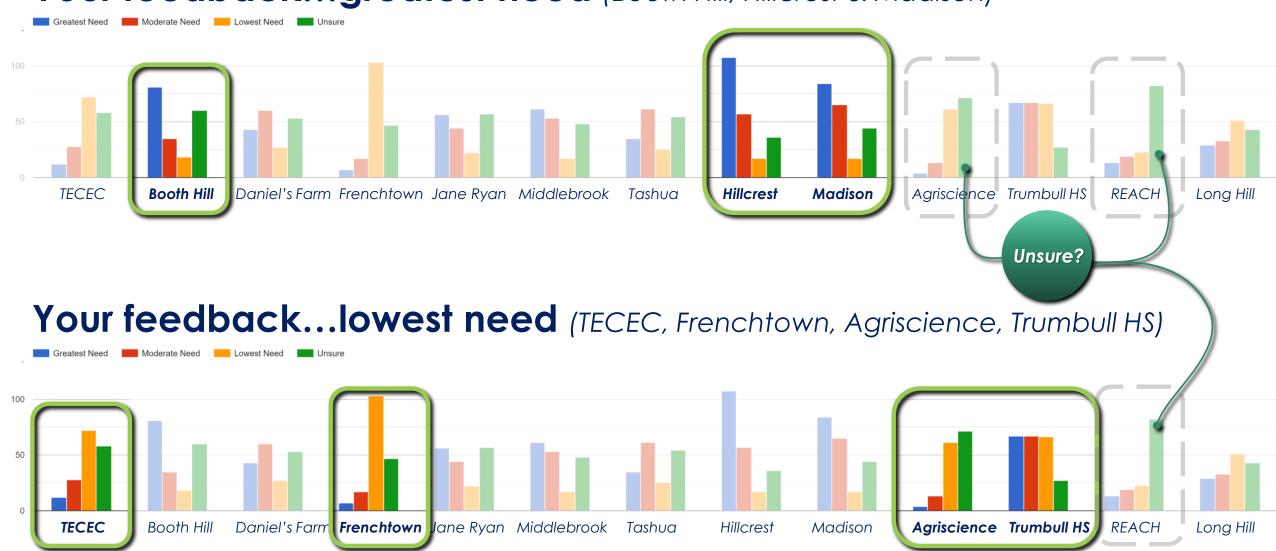
Thank you for taking this brief survey based on Community Conversation #1 held on 11/17 at Booth shool. One of the first steps in the process is to gather community input about what, if the school buildings and what residents want to see for the future of Trumbull. Before developed, or any decisions are made, we want to hear from you! Your voice matters, enrocess!

390+
Responses!





Your feedback...greatest need (Booth Hill, Hillcrest & Madison)





CLIMATE CONTROL

ENHANCE OUTDOOR LEARNING

PRIVACY & DEDICATED SPECIAL EDUCATION SPACE!

DEDICATED SPACE FOR ART, MUSIC, P.E.

HEALTH & WELLNESS FOR ALL STUDENTS

INCLUSIVE

SINGLE USER TOILETS, UNIVERSAL ACCESSIBILITY

MAINTAIN THE "NEIGHBORHOOD SCHOOL"

COMMUNITY ENGAGEMENT

ACCESS TO

NATURAL DAYLIGHT

PARTICULARLY @ ELEMENTARY

EQUITY ACROSS
THE DISTRICT
FACILITIES, PROGRAMS,
QUALITY

ENERGY EFFICIENCY

SAFETY

IMPROVE TEAM SPACE, SPACE FOR PROFESSIONAL DEVELOPMENT!

Comments from the BOE Workshop on 9/20/2022



Alignment between the BOE, Administration, and the Community-

Strong Connections:

Safety & Security

HVAC / Climate Control / IAQ

21st Century Learning / Technology

Special Education & Support Spaces

Flexibility & Accommodating Future Growth

Fiscal Responsibility, Other Town Projects

Buildings Summary



Area Summary Table								
	Building Name	GSF	% of total town bldgs	Orig. Const.	Age			
PK	Trumbull Early Childhood	26,350	2.4%	2005	18			
	Booth Hill Elementary	53,660	4.8%	1955	68			
	Daniels Farm Elementary	61,480	5.5%	1962	61			
K-5	Frenchtown Elementary	89,960	8.1%	2003	20			
V-2	Jane Ryan Elementary	46,430	4.2%	1955	68			
	Middlebrook Elementary	65,690	5.9%	1953	70			
	Tashua Elementary	59,660	5.4%	1965	58			
6-8	Hillcrest Middle	117,000	10.5%	1967	56			
0-0	Madison Middle School	154,970	13.9%	1960	63			
9-12	Regional Agriscience Center	38,200	3.4%	2001	22			
9-12	Trumbull High School	369,350	33.2%	1971	52			
6-8/9-12	REACH	8,700	0.8%	1970	53			
Admin	Long Hill Administration	21,950	2.0%	1920	103			
	Subtotal	1,113,400	Average Age		55			



Booth Hill Elementary School

Physical Condition

Well maintained, but tired Creative reuse, but not ideal operationally-

Programmatic Needs

Common Findings:

Poor definition of the school/site boundaries

Poor comfort/temperature control and IAQ

Accessibility concerns throughout

Building systems at or past useful life

Additions, but no comprehensive renovations

Building envelopes showing signs of age

Existing ConditionsAnalysis, methodology, and conclusions

Programmatic Needs

Physical Condition

Grouped by Grade (K-5, 6-8, 9-12)

Collected & Analyzed Information

— Ranked based upon findings

— Prioritized based upon rankings

Think of the rankings like a movie, the more stars you have the better!



Where We've Been - Work to Date





- 13 buildings being studied
- 2 13 educational and conditions walkthroughs completed in September 2022 (approximately 1.1 million SF!)
- 3 850 page DRAFT conditions assessment report outlining physical and programmatic building needs, ongoing since November 2022
- Meetings with BOE, PTA,
 Superintendent, Facilities & the
 community (including a
 community survey!)

Where We've Been - Work to Date





- Demographics forecast that elementary enrollment will slowly increase over the next 10 years (middle and high school will also see modest growth).
- Useable area analysis reveals that most schools are operating at or above their capacity (every SF is being used for educational purposes, and there is no room to grow).
- Core spaces benchmarking reveals greater need in certain schools for major program

 Spaces (Gymnasium, Cafeteria & Media Center).





Elementary enrollment will slowly increase over the next 10 years.



This is (in part) due to the increase in the number of empty nest households turning over and in migration of young households.



Even with new housing unit construction, the price of existing home sales is the dominant factor affecting population and enrollment.

Refer to the Executive Summary of the Demographics Study for other key findings.

Demographics Summary



Madison Middle School

+67
students
3.0 classes

+107 students 3.6 classes

+88
students
2.9 classes

Middle

High School

What does this mean?

Elementary

Consider capacity, flexibility, effect on special education and specials (art, music, gym, media, STEAM)

Tecton

5 = Good

2.5

4.5

3.5

1.5

Conditions Analysis - Summary							
		Programmatic Needs		Physico	Physical Condition		
Building Name		TOTAL	Rank (Priority)	TOTAL	Rank (Priority)	AVERAGE (Priority)	
PK	Trumbull Early Childhood (TECEC)	23	4	28	4	4	
	Booth Hill Elementary	11	(1)	21	(2)	(1.5)	

21

27

25

22

24

21

20

28

28

18

16

3

17

23

14

17

19

13

22

25

18

15

10

Daniels Farm Elementary

Frenchtown Elementary

Jane Ryan Elementary

Tashua Elementary

Middlebrook Elementary

Hillcrest Middle School

Madison Middle School

Trumbull High School

Long Hill Administration

REACH

Agriscience & Biotech Center

K-5

6-8

9-12

6-12

Adm.





Address the greatest programmatic and condition needs comprehensively

Tier 2

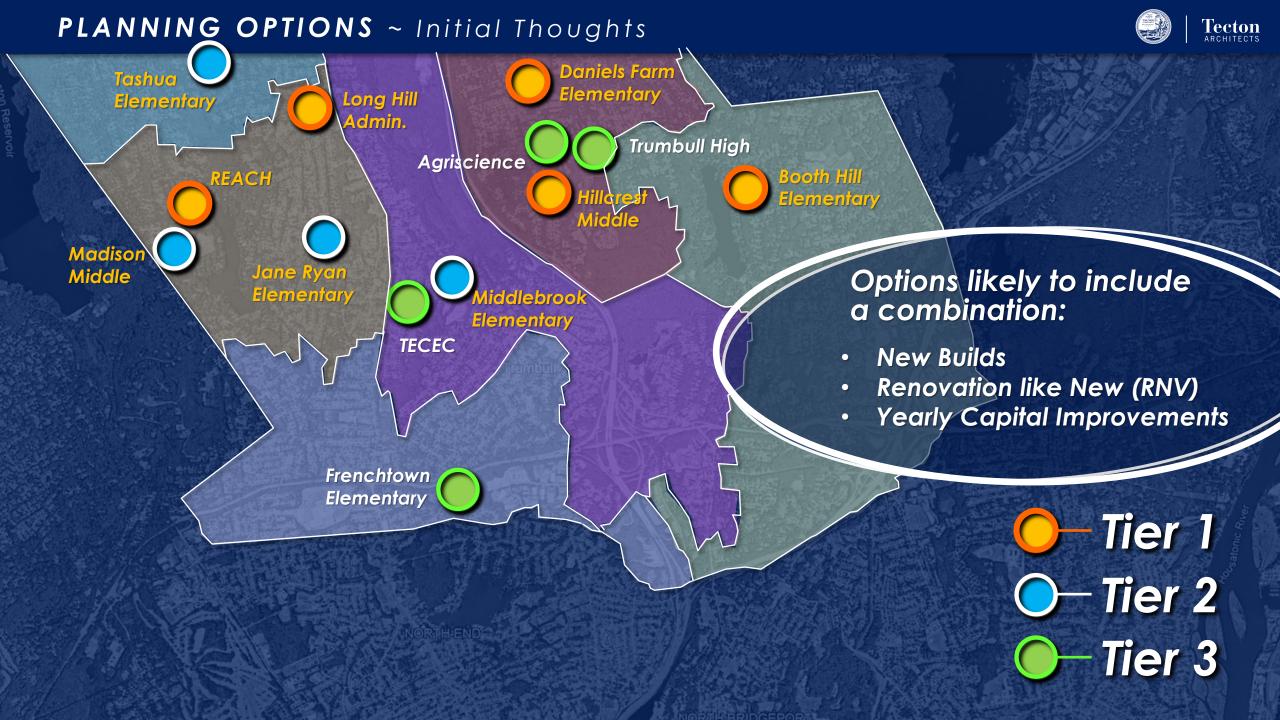
Temporary, thoughtful implementation of CIP with comprehensive renovation to come

Tier 3

Address first through CIP, and then comprehensively address needs

Tier 1 and Tier 2 all need to be done; it's about prioritizing the order.

(1.5)	Booth Hill Elem.	(2.5)	Middlebrook Elem.	(3.5)	Trumbull High School
(1.5)	Hillcrest Middle	(3.0)	Jane Ryan Elem.	(4.0)	Frenchtown
(2.0)	Daniels Farm Elem.	(3.0)	Tashua Elem.	(4.0)	TECEC
(1.5)	REACH	(3.0)	Madison Middle	(4.5)	Agriscience
(1.5)	Long Hill Admin.				

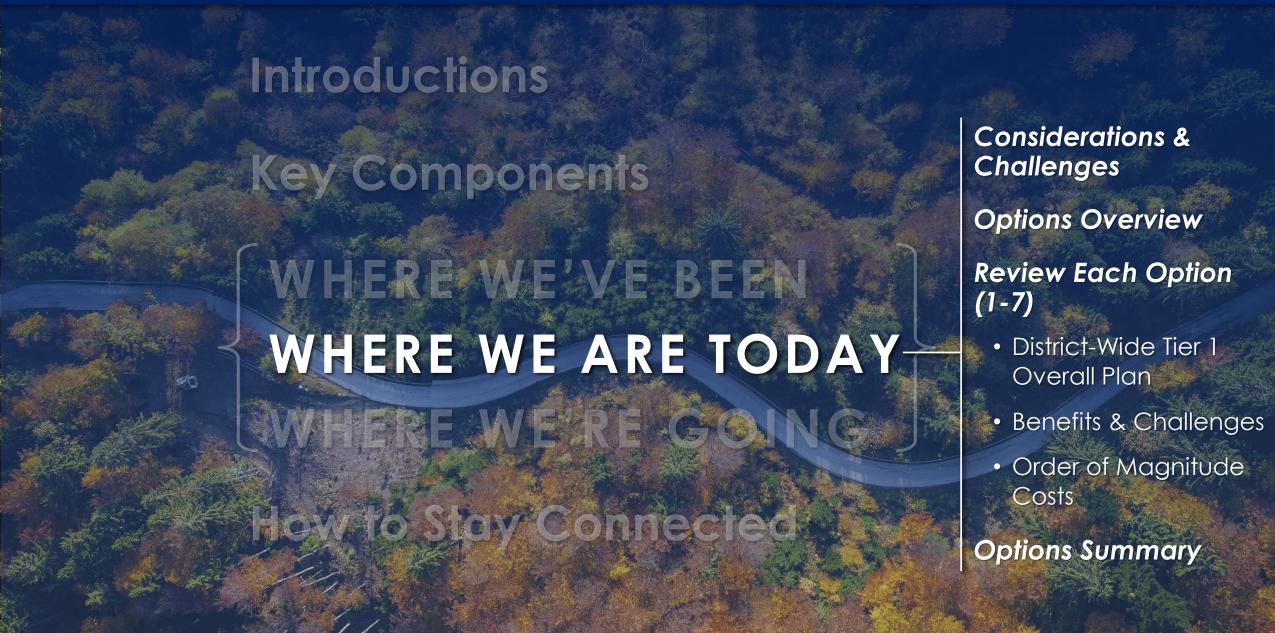




Let's pause for discussion

- ? Any questions so far?
- Any additional feedback to share?







When planning consider this...

Swing Space - Develop options that include new builds for "swing" space to allow for comprehensive renovations. Cost efficient & less disruptive

Reimbursement - Analyze "Renovate like New" (RNV) options to leverage state reimbursement, maximize addition to create "swing" space.

Value - Analyze complex phased renovations vs. new build. Understand dollars invested that stays in the school vs. the process

Capacity - Review capacity of existing school properties for new builds (to limit disruption) and/or additions and renovations

Prioritization & Affordability - Prioritize need across district, keep affordability paramount in the discussion

MASTER PLAN CHALLENGES & NEEDS





- 3 Schools in greatest need of comprehensive renovations due to age, condition, use, capacity (Tier 1)
- 2 Long Hill Administration
 Building is well past its
 useful life due to
 age/condition/adaptive
 reuse (Tier 1)
- REACH program located in less than ideal environment for its intended use due to age/condition/use (Tier 1)
- Established elementary school districts coupled with geographic challenges (Rt. 25 bifurcates Town) limits flexibility in planning options

Cost Methodology ~ Our process and what does it include?



- Costs are based upon mid range of historical averages and current market conditions
- Costs are escalated to year 2026 (based upon 4.5% average per year),
 or the potential mid-point of construction for any "Step 1" of a plan
- 3. Adjustments shall be made once a preferred option is selected
- 4. Does not include impact for operational costs <u>or</u> premium for site logistics for multi-phase renovations
- 5. Reimbursement rate utilized is last published (9/29/2022):

Renovate as New ~ 34.29%

New Construction ~ 24.29%

Does not contemplate space waivers or special legislation ("Notwithstanding")

Comparing the Options ~ What to consider?



Cost Summary Table					
Site Development					
Scope of Work	Cost per unit	Unit	Comment		
Site Improvements	\$425,000.00	acre	basic fields, grading, utilities		
Parking Lot & Vehicular Circ.	\$10,250.00	space	space		
Play Areas (Age Appropriate @ 6,500 sf)	\$85,000.00	ea.	Equipment structure only		
Sanitary System Expansion/Upgrade		ls	TBD		
Building Summary					
Scope of Work	Cost per unit	Unit	Comment		
Demolition (+ haz mat, environ.)	\$43.50	sf	Full structure demo		
PCB	\$17.50	sf	Assumes caulking and utilites		
ACM	\$9.50	sf	Assumes full bldg, removal		
Avg. Building Demo	\$16.50	sf	Full structure demo		
Renovate as New	\$450.00	sf	based upon renovate as new		
New Construction	\$535.00	sf	masonry with steel frame		
Sustainability / Carbon Neutral ~ Initiative					
Scope of Work	Cost per unit	Unit	Comment		
Geothermal Bore Field	\$18.50	sf	Assumes an EUI of 25 or less		
Photo Voltaic Array	\$15.00	sf	Assumes an EUI of 25 or less		
Soft Costs (Design, FF&E, Fees, Printing)	19.50%	annonnonnonnonnon	See detail breakdown		
Reimbursement Rate - New	11.07%		* 2023		
Reimbursement Rate - RNV	21.07%		* 2023		
Inelianbles	1-3%		of IPC		

1	Soft Cost Itemized Listin Architectural and Engineer		Projected Value		
1-1	Architectural Design - Pre				
	Architect Fees				
1-3	Offsite Roadway & Utility				
1-0	Onsite Roddwdy & Onliny		Soft Cost Itemized Listing	Proje	cted Valu
2	Other Professional Fees (4	Administrative Fees		
2-1	Project Management / C	***********	Postage, Printing, Advertising	\	
2-2	Commissioning		Town Inspection Costs		
2-3	Site - Environmental Con	***************************************	Building Permit Fees	1	•••••
2-4	Building - Environmental		Misc. Administration Costs State Permit Fees	-	
	Environmental Consultar		Utility Allowances/Contributions	 	
2-6	Wetlands Review and Id	70			
	Third Party Review (Land	5	Construction Related Items		
2-8	Property Survey	5-1	CM Preconstruction Fee		
2-9	Geotechnical Boring and	5-2	CM Investigation Allowance (Building Due Diligence)		
	ļ	6	FF&E/Technology/Communications/Playground		
	Traffic Study	6-1	Fixtures, Furnishings and Equipment		
	Independent Cost Estimo	6-2	Communication Technology Hardware		
	Special Testing and Inspe	6-3	AV Equipment		
************	Other consultants (buildi	6-4	Telephone Systems		
2-14	Moving	6-5	Security Systems		
3	Town Professional Fees	6-6	Playground Equipment		
	Town Legal Services		Specialty Signage (Exterior Monumental)		
	Bond Counsel Fees		Furniture Design Consultant		
	Builders Risk Insurance		Technology Design Consultant	<u> </u>	
J-J	bullders kisk irisuldince	6-10	Security Systems Design Consultant		
		7	Owner Confingency		

Construction Costs + Soft Costs

(A comprehensive approach to costs)



- 1. Complete new or renovate as new building to last several generations (30 plus years)
- Will address all capacity, educational space and curriculum needs (today & future)
- 3. Transforms building to create educational environment that is adaptable, flexible, innovative, with a focus on wellness & health (daylighting, air quality, acoustics)
- 4. Addresses <u>all</u> existing conditions reported for site, building envelope, interiors, building and life safety systems, accessibility and code.

Site Capacity & Analysis ~ New Build Option







Order of Magnitude Project Costs ~ New Construction



New 6-8 ~ Hillcrest Middle School						
	Proj.		OSCG Star	ndard.		
Grade Levels	Enr.	Sf/St.				
Grade 6	271	148				
Grade 7	264	170	13	34,363		
Grade 8	291	170				
Total	826		* with 1% i	mech increase		
Max. Area Allowed	135,706					
New Building	135,706					
Existing Building	117,000					
Project Cost Summary						
Scope of work	Amt.	Unit	Cost/Unit	Cost		
Site Improvements	21.97	Acres	\$425,000	\$9,337,541		
Parking Lot & Vehicular Circ. (2.25/1000)	150	spaces	\$9,250	\$1,387,500		
Whole Building Haz. Mat. Abatement	117,000	sf	\$22.50	\$2,632,500		
Whole Building Demolition	117,000	sf	\$17.50 \$2,047,500			
New Construction	135,706	sf	\$545.00	\$73,959,930		
Geothermal Bore Field	135,706	sf	\$18.50	\$2,510,566		
Carbon Neutral & Netzero Premium	135,706	sf	\$15.00	\$2,035,594		
Subtotal		Av g/sf	\$692.02	\$93,911,131		
Soft Costs	19.5%			\$18,312,671		
Cost Escalation (Mid point of const. 2026)	12.5%	4%/year		\$14,027,975		
Phasing & Logistics Costs for Occupied Site	1.25%			\$1,173,889		
Portable Lease Costs	0	mth/CR	\$1,500	\$0		
Tot	al Projec	ct Costs	\$938.98	\$127,425,666		
	Reimbur:		24.29%	(\$30,951,694)		
		gibles**	1.25%	\$1,592,821		
Estim	`		o Trumbull	\$98,066,793		



Total Project Costs: \$127,425,666 **Cost to Trumbull:** \$98,066,793

Site Capacity & Analysis~ Renovation as New Concept





Order of Magnitude Project Costs ~ Renovate as New

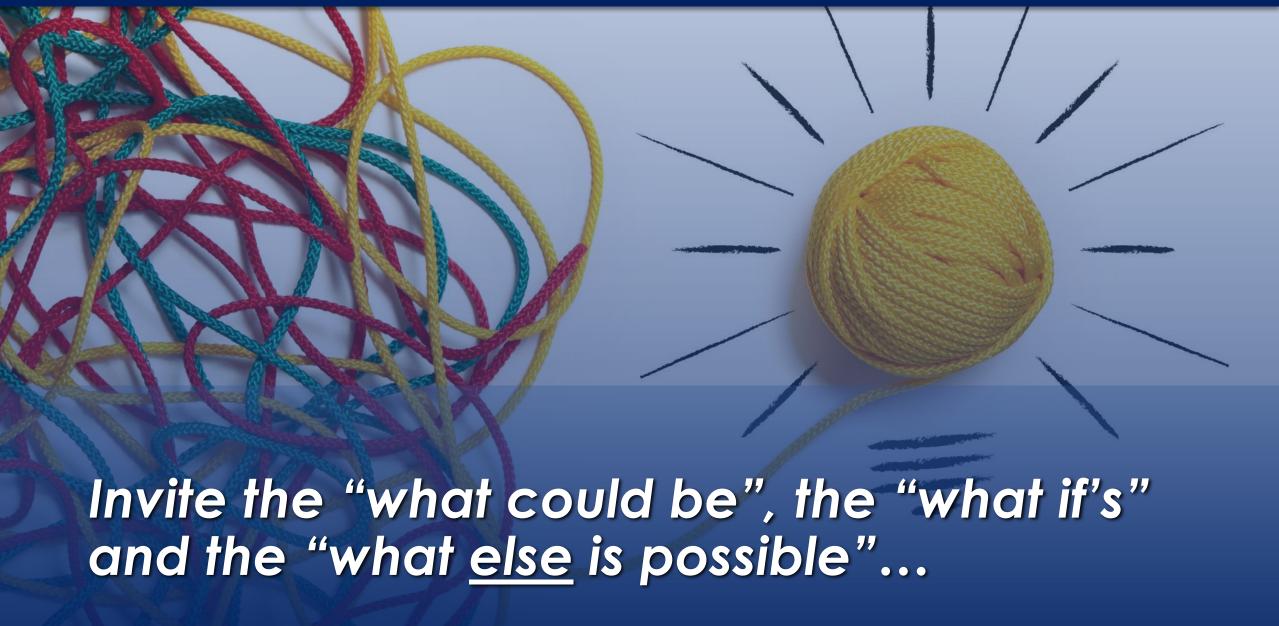


RNV 6-8 ~ Hillcrest Middle School (Occupied)						
			OSCG Star	ndard.		
Grade Levels	Proj. Enr.	Sf/St.				
Grade 6	271	148				
Grade 7	264	170	1;	34,363		
Grade 8	291	170				
Total	826		* with 1%	mech increase		
Max. Area Allowed	135,706					
RNV Building	74,638	Approxim	ate 55% of tota	al footprint		
Existing Building	117,000					
Project C	Cost Summ	ary				
Scope of work	Amt.	Unit Cost/Unit Cost				
Site Improvements	21.97	Acres	\$525,000	\$11,534,609		
Parking Lot & Vehicular Circ. (2.25/1000)	150	spaces	\$9,250	\$1,387,500		
Selective Building Haz. Mat. Abatement	74,638	sf	\$26.50	\$1,977,919		
Whole Building Demolition with HazMat	42,362	sf	\$35.00	\$1,482,654		
New Construction	61,068	sf	\$545.00	\$33,281,968		
Existing Building Renovation	74,638	sf	\$425.00	\$31,721,346		
Geothermal Bore Field	135,706	sf	\$18.50	\$2,510,566		
Carbon Neutral & Netzero Premium	135,706	sf	\$15.00	\$2,035,594		
Subtotal		Av g/sf	\$633.22	\$85,932,158		
Phased Moving Costs	5	phase	\$125,000	\$625,000		
Premium for Phased Work	1.5%			\$1,220,790		
Soft Costs	19.5%			\$16,756,771		
Cost Escalation (Mid point of const. Mar. 2026)	12.5%	4%/year		\$13,066,840		
Portable Lease Costs	0	mth/CR	\$1,500	\$0		
	Total Proje	ct Costs	\$866.59	\$117,601,558		
Sta	te Reimbu	rsement	34.29%	(\$40,325,574)		
		igibles**	2.00%	\$2,352,031		
RNV 6-8 ~ Hillore	Occupied)	\$79,628,015				



Total Project Costs: \$117,601,558 Cost to Trumbull: \$79,628,015







- Are intended to address the identified deficiencies found from the analysis of physical conditions, program and capacity.
- Prioritization is based upon objective analysis.

 Order can, and WILL change as we continue our dialogue with the community. The plan is **not** finalized.
- Preferred option often is a combination or modification of the initial options presented. Costs will be updated.
- The planning options will address the Long Range Planning needs of the district.

INTRODUCTION OF OPTIONS



OPTION 1 Middle School "Swing"

Build a new Hillcrest and use the existing building as swing space for Tier 1 elementary renewal

OPTION 2 "One at a time" please

Methodically replace Tier 1 buildings one at a time as either New, or Renovate Like New

OPTION 3 "If it ain't broke, don't fix"

Resolve issues as they arise as part of a capital improvement program

OPTION 4 Intermediate Introduction

Build two new intermediate schools (GR 4-5) on each side of the district to create swing space and flexibility at elementary level

OPTION 5 Accommodating an Academy

Build two new academy schools (GR 5-6) on each side of the district to create space at both elementary and middle school levels

OPTION 6 Integration Starting at 5th

Reimagine Madison and Hillcrest as district-wide GR 5-6 and GR 7-8 schools (respectively) to create space at elementary and bring students together

OPTION 7 District-wide Middle School

Reimagine Madison as district-wide GR 6-8 to bring students together and free up Hillcrest campus for community amenities

1

Middle School "Swing"







REACH moves to Hillcrest Campus integrated into new building

Step 2

RNV

BOOTH HILL
GR K-5
(528)

as swing space
(following minimal modifications for elementary student use)

Utilize existing Hillcrest

\$269.3 M*
Total Project Cost

\$197.3 M*
Cost to Trumbull

*Plus CIP costs for remaining buildings!

Note: Reimbursement based upon published rates for 2023 from the DEPARTMENT OF ADMINISTRATIVE SERVICES (DAS) - Office of School Construction Grants & Review (OSCG&R), School Construction Reimbursement Rates FORM SCG-1060 - Does not include special legislation

Benefits...

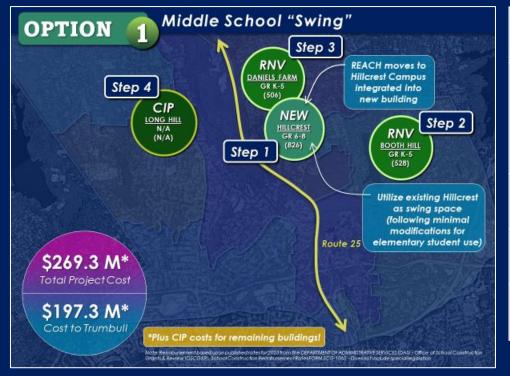
- Addresses all Tier 1 school buildings
- + Avoids costs for temp facilities, modulars
- + Comprehensive replacement of building systems (mechanical, electrical, plumbing & fire protection)
- + Creates independent swing space outside of a construction zone

- Tight site logistics at Booth Hill and Daniels Farm – no room to use existing for swing space
- Temporary congestion and possible loss of fields at Hillcrest campus
- Temporary loss of fields at Long Hill



Middle School "Swing"





Timeline (Year Complete)				Total Project Cost	Cost to Trumbull
	Hillcrest NEW YR 5 REACH NEW YR 5		\$134.9 M	\$103.8 M	
			YR 5	\$7.6 M	\$5.9 M
2	Booth Hill	RNV	YR 10	\$60.3 M	\$41.1 M
3	Daniels Farm	RNV	YR 15	\$59.3 M	\$40.5 M
Long Hill CIP		CIP	Annually for 30 YR	\$7.2 M	\$6.0 M
				\$269.3 M*	\$197.3 M*

"One at a time, please" **OPTION** 2 Step 3 (or RNV) **REACH** moves to NEW Hillcrest Campus **DANIELS FARM** integrated into Step 5 **GR K-5** new building (506)**Adaptive** (or RNV) Reuse of (or RNV) NEW Site NEW Step 4 HILLCREST NEW GR 6-8 **BOOTH HILL** Costs not (826)**GR K-5** LONG HILL included! (528)@ Madison Step 2 Middle Step 1 RNV \$267 M* NFW Route 25 \$283.4 M* Total Project Cost \$219.2 M* Cost to Trumbull *Plus CIP costs for remaining buildings! \$185 M* Note: Reimbursement based upon published rates for 2023 from the DEPARTMENT OF ADMINISTRATIVE SERVICES (DAS) - Office of School Construction Grants & Review (OSCG&R), School Construction Reimbursement Rates FORM SCG-1060 - Does not include special legislation



Benefits...

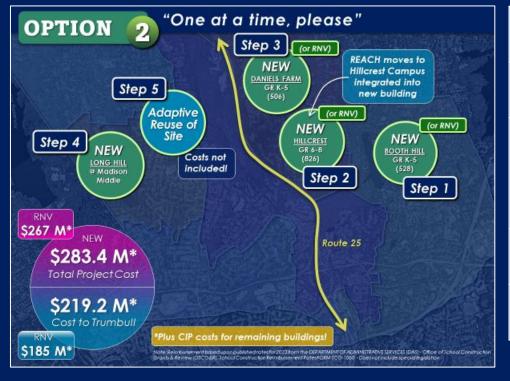
- + Addresses all Tier 1 buildings
- + Avoids costs for temp facilities
- Comprehensive
 replacement of
 building systems
 (mechanical, electrical,
 plumbing & fire protection)
- + Potential community asset

- Tight site logistics at
 Booth Hill and Daniels
 Farm no room to use
 existing for swing space
- Site constraints and temporary lack of some play/fields
- Temporary traffic and parking impacts during construction

2

"One at a time, please"





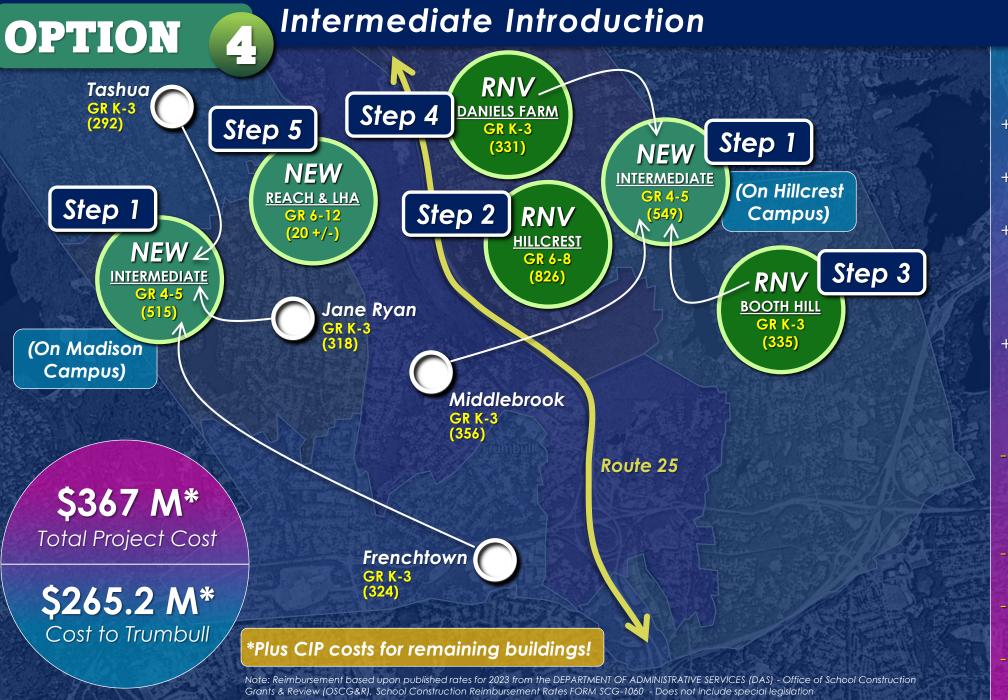
Timeline (Year Complete)				Total Project Cost	Cost to Trumbull	
①	Booth Hill	NEW	YR 5	\$64.3 M	\$49.5 M	
	Hillcrest	NEW	YR 10	\$134.9 M	\$103.8 M	
2	REACH	NEW	YR 10	\$7.6 M	\$5.9 M	
3	Daniels Farm	NEW	YR 15	\$63.1 M	\$48.6 M	
4	Long Hill	NEW	YR 20	\$13.5 M	\$11.4 M	
Not included				\$283.4 M*	\$219.2 M*	







- Less reimbursement since the renovation is not a comprehensive approach. Taxpayers on the hook for ~100%.
- No change to the educational environment what you have today (locations of walls, sizes of rooms, adjacencies) is what you'll have after investing dollars.
- Year-by-year improvements on a 30-yr renewal cycle means continuous disruption for the students and teachers.
 - Typically <u>easy to cut these projects</u> from the annual budget, and push them off to next year.
 - This fixes things like caulk, windows, flooring, pipes, electrical... what you have today stays, with pieces replaced by new over time.





Benefits...

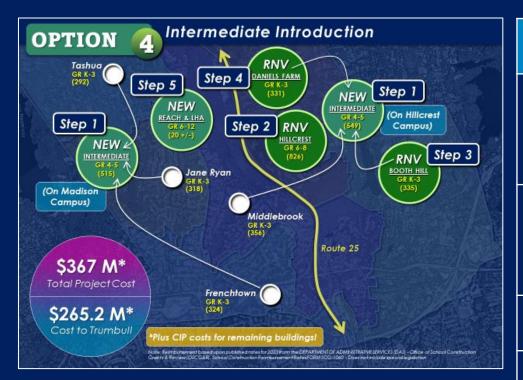
- + Addresses all Tier 1 buildings
- + Avoids costs for temp facilities
- + Comprehensive replacement of building systems (mechanical, electrical, plumbing & fire protection)
- + Builds in flexibility

- Temporary congestion and possible loss of fields at middle school campuses
- Temporary loss of fields at Long Hill
- Disruption with phased occupied renovation
- Middlebrook crosses Route 25

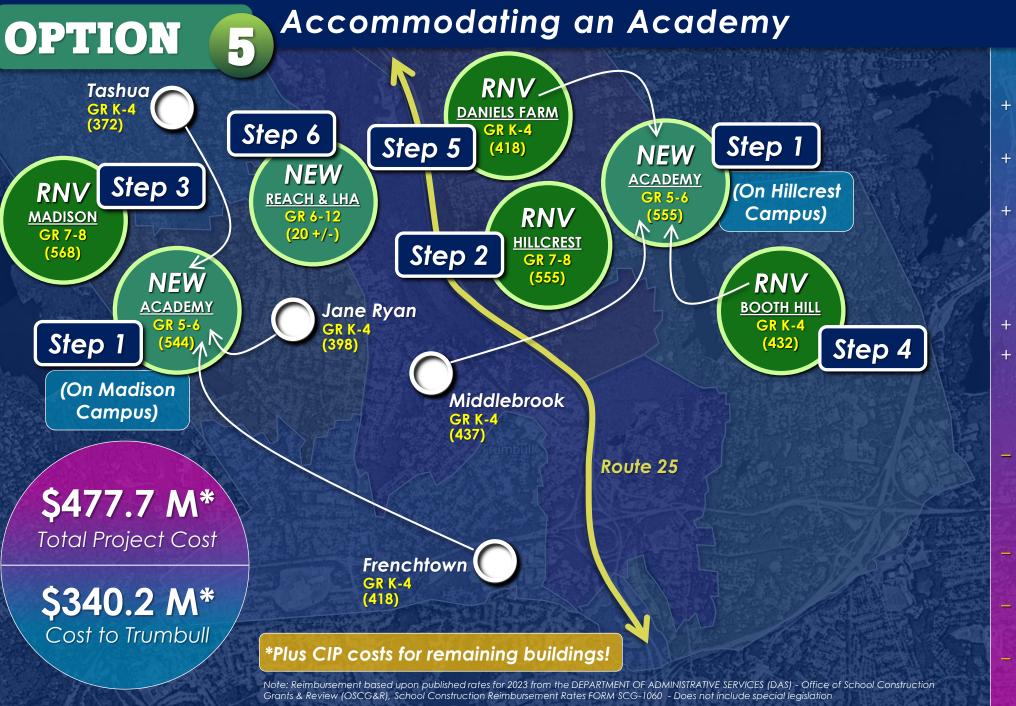


Intermediate Introduction





Timeline (Year Complete)				Total Project Cost	Cost to Trumbull
①	Intermediate School West	NEW	YR 5	\$70.2 M	\$54.0 M
	Intermediate School East	NEW	YR 5	\$66.3 M	\$51.0 M
(2)	Hillcrest	RNV	YR 10	\$126.9 M	\$86.6 M
	REACH	NEW	YR 15	\$7.6 M	\$5.9 M
3	Booth Hill	RNV	YR 20	\$40.3 M	\$27.5 M
4	Daniels Farm	RNV	YR 25	\$42.2 M	\$28.8 M
(5)	Long Hill	NEW	YR 15	\$13.5 M	\$11.4 M
				\$367 M*	\$265.2 M*





Benefits...

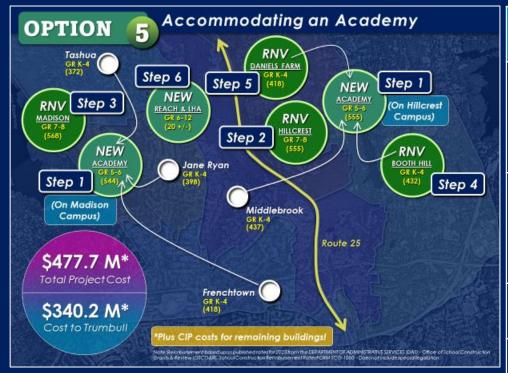
- + Addresses all Tier 1 buildings
- + Avoids costs for temp facilities
- + Comprehensive replacement of building systems (mechanical, electrical, plumbing & fire protection)
- + Builds in flexibility
- + Relatively even distribution of students

- Temporary congestion and possible loss of fields at middle school campuses
- Temporary loss of fields at Long Hill
- Disruption with phased occupied renovation
- Middlebrook crossesRoute 25



Accommodating an Academy





	Timelir (Year Com			Total Project Cost	Cost to Trumbull
	Academy West	NEW	YR 5	\$77.0 M	\$59.3 M
$ $ \bigcirc	Academy East	NEW	YR 5	\$78.5 M	\$60.4 M
(2)	Hillcrest	RNV	YR 10	\$99.2 M	\$67.7 M
	REACH	NEW	YR 10	\$7.6 M	\$5.9 M
3	Madison	RNV	YR 15	\$106.7 M	\$72.8 M
4	Booth Hill	RNV	YR 20	\$49.5 M	\$33.7 M
(5)	Daniels Farm	RNV	YR 25	\$59.2 M	\$40.4 M
6 Long Hill Admin.(not included)				\$477.7 M*	\$340.2 M*

Integration Starting at 5th

GR K-4 (418)





Step 1 NEW **MADISON** GR 5-6 (1,097) (539+558)

Step 4

NEW **REACH & LHA** GR 6-12 (20 +/-)

Jane Ryan **GR K-4** (398)

Step 3 RNV **DANIELS FARM** (or New)

Step 1

NEW HILLCREST GR 7-8 (1,137) (563+574)

RNV **BOOTH HILL GR K-4** (432)

(or New)

Step 2

Middlebrook **GR K-4** (437)

Route 25

\$475.7 M* Total Project Cost

\$357.7 M* Cost to Trumbull

*Plus CIP costs for remaining buildings!

Frenchtown

GR K-4 (418)

Benefits...

- + Addresses all Tier 1 buildings
- + Once Step 1 is complete, provides capacity at all elementary schools
- + Builds in reimbursable swing space
- + Comprehensive MEP replacement
- + Builds in flexibility

Challenges...

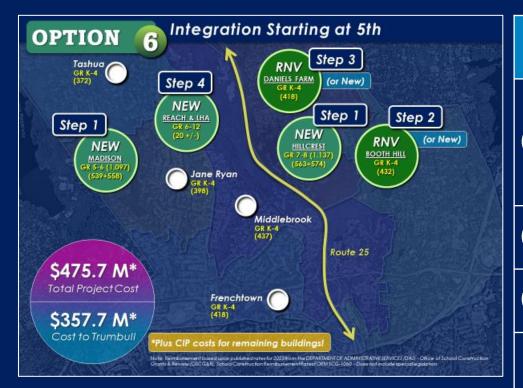
- Introduces another school transition to student's academic experience
- Significant Step 1 investment
- Possible transportation challenges
- Disruption with phased occupied renovation

Note: Reimbursement based upon published rates for 2023 from the DEPARTMENT OF ADMINISTRATIVE SERVICES (DAS) - Office of School Construction Grants & Review (OSCG&R), School Construction Reimbursement Rates FORM SCG-1060 - Does not include special legislation

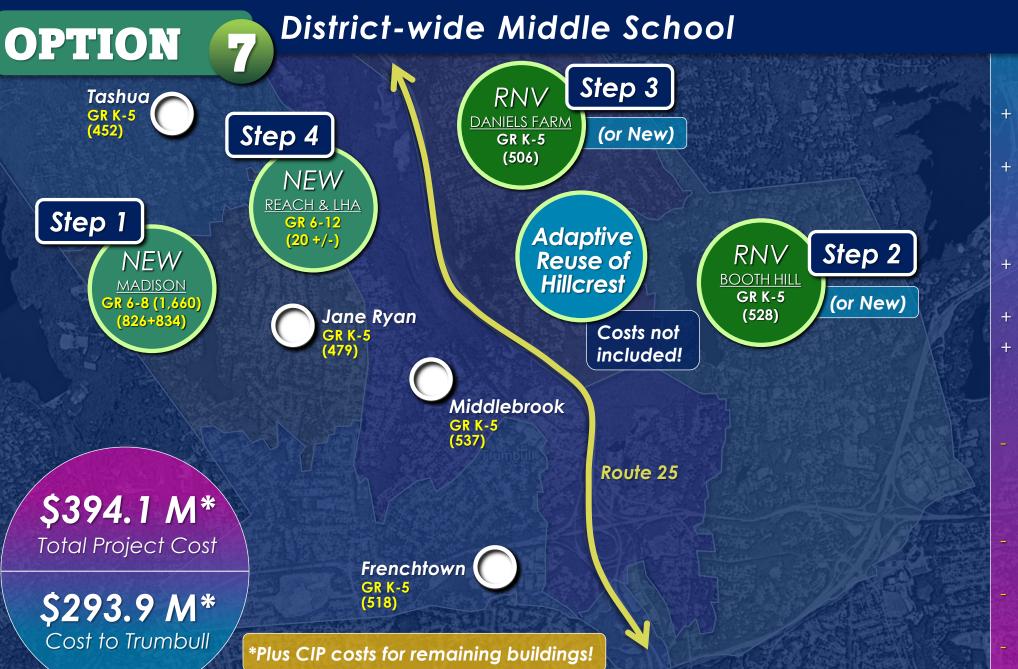
6

Integration Starting at 5th





	Timelir (Year Com			Total Project Cost	Cost to Trumbull
	Reinvented Madison (5-6)	NEW	YR 5	\$162.4 M	\$125 M
①	Reinvented Hillcrest (7-8)	NEW	YR 5	\$183.5 M	\$141.3 M
2	Booth Hill	RNV	YR 20	\$49.5 M	\$33.7 M
3	Daniels Farm	RNV	YR 25	\$59.2 M	\$40.4 M
	REACH	NEW	YR 15	\$7.6 M	\$5.9 M
4)	Long Hill	NEW	YR 15	\$13.5 M	\$11.4 M
				\$475.7 M*	\$357.7 M*



Note: Reimbursement based upon published rates for 2023 from the DEPARTMENT OF ADMINISTRATIVE SERVICES (DAS) - Office of School Construction

Grants & Review (OSCG&R), School Construction Reimbursement Rates FORM SCG-1060 - Does not include special legislation



Benefits...

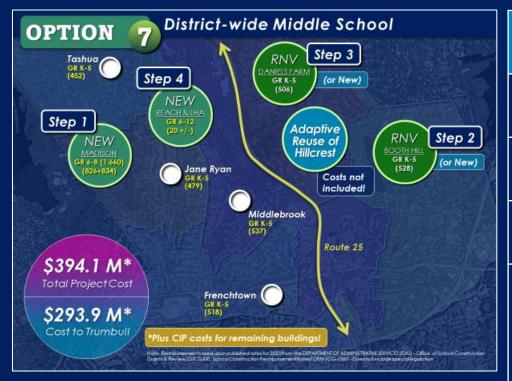
- + Addresses all Tier 1 buildings
- Brings middle school students together early, making high school transition easier
- + Comprehensive MEP replacement
- + Builds in flexibility
- + Potential community asset

- Significant student population (would be one of the largest in the state)
- Significant cost, sizeable middle school
- Possible transportation challenges
- Disruption with phased occupied renovation at elementary

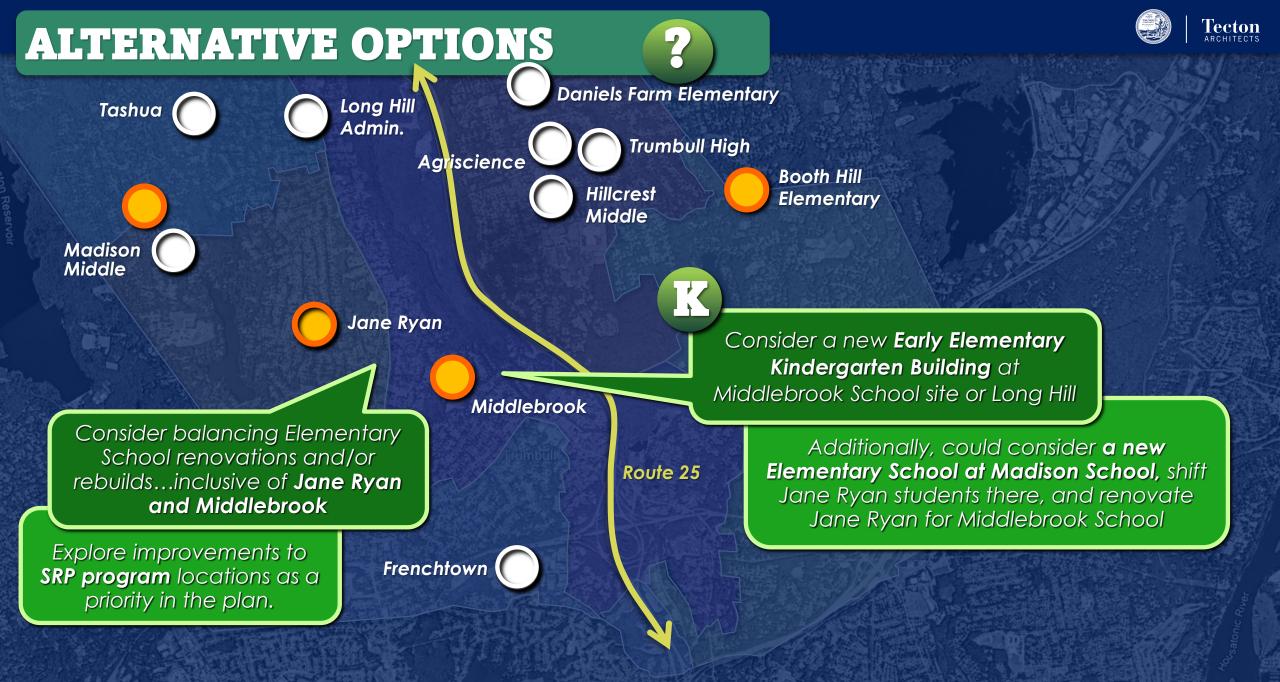


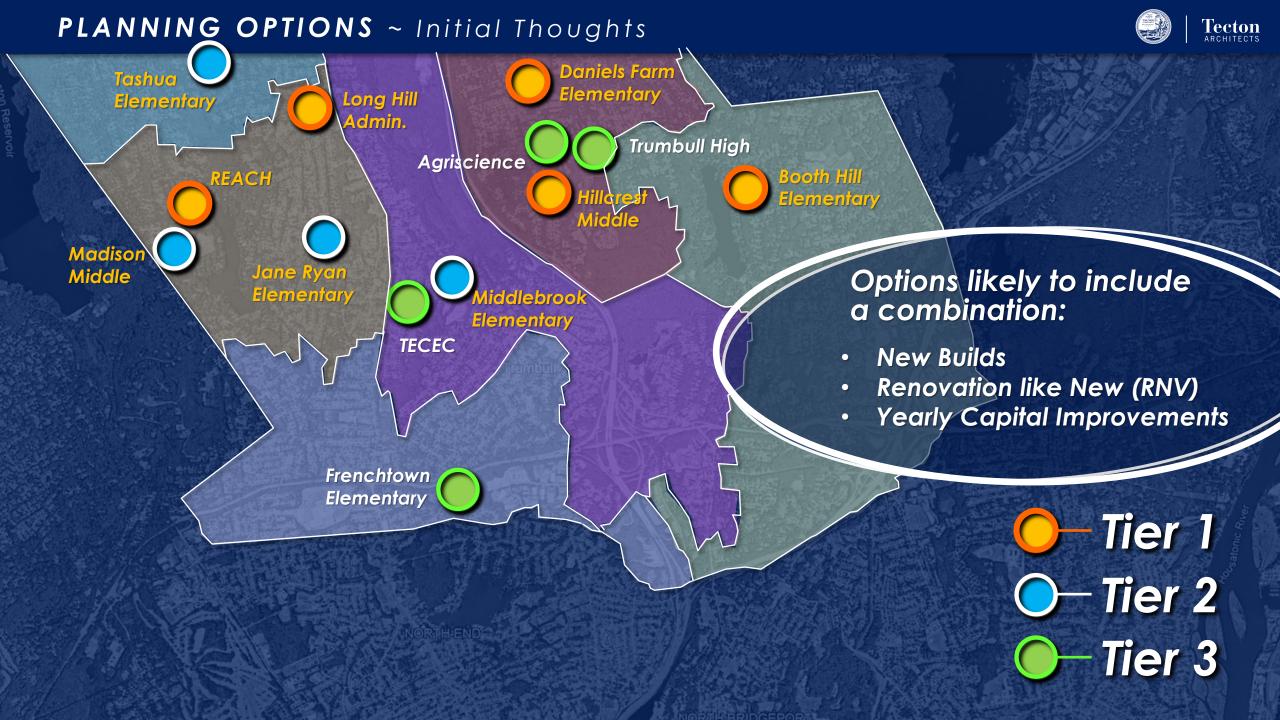
District-wide Middle School





	Timelir (Year Com			Total Project Cost	Cost to Trumbull
0	Reinvented Madison	NEW	YR 5	\$253.4 M	\$195.0 M
2	Booth Hill	RNV	YR 15	\$60.3 M	\$41.1 M
3	Daniels Farm	RNV	YR 20	\$59.3 M	\$40.5 M
	REACH	NEW	YR 15	\$7.6 M	\$5.9 M
4	Long Hill	NEW	YR 15	\$13.5 M	\$11.4 M
				\$394.1 M*	\$293.9 M*







Cost to Trumbull

\$197.3 M

\$219.2 M (NEW)

\$185.0 M (RNV)

\$265.2 M

\$340.2 M

\$357.7 M

\$293.9 M

\$10.2-\$14.2 M

EVERY YEAR, ALL BUILDINGS

Total Project Cost

\$269.3 M

\$283.4 M (NEW)

\$267.0 M (RNV)

\$367.0 M

\$477.7 M

\$475.7 M

\$394.1 M

O	PHC	JNS	SUI	MM.	ARY

		7 7 1 7	
OPTION	NI.		
OPTION	V		

Middle School

"Swing"

"One at a time,

please"

"If it ain't broke,

don't fix"

Intermediate

Introduction

Accommodating

and Academy

Integration Starting

at 5th

District-wide Middle

School

Grade Level Reconfiguration

NO

NO

NO

YES

YES

YES

NO

Phased Occupied Renovation

YES

NO

(If building all new)

YES

YES

YES

YES

YES

Total Number

of Buildings

(when complete)

12

(REACH @ Hillcrest)

12

(REACH @ Hillcrest)

13

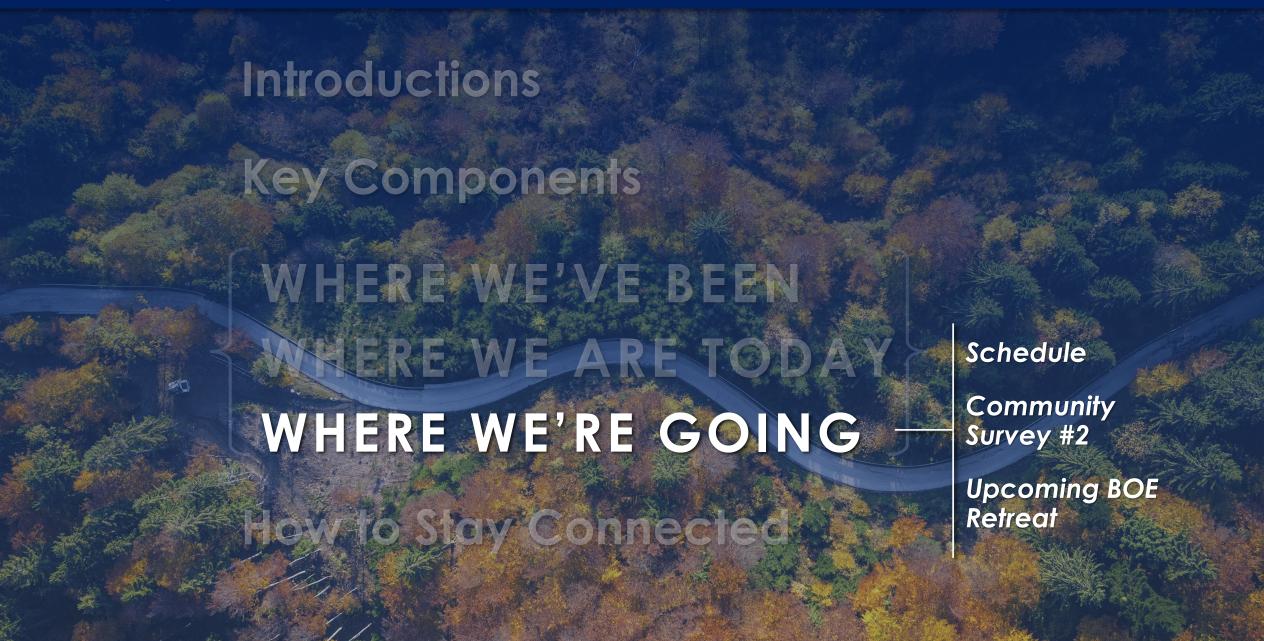
15

15

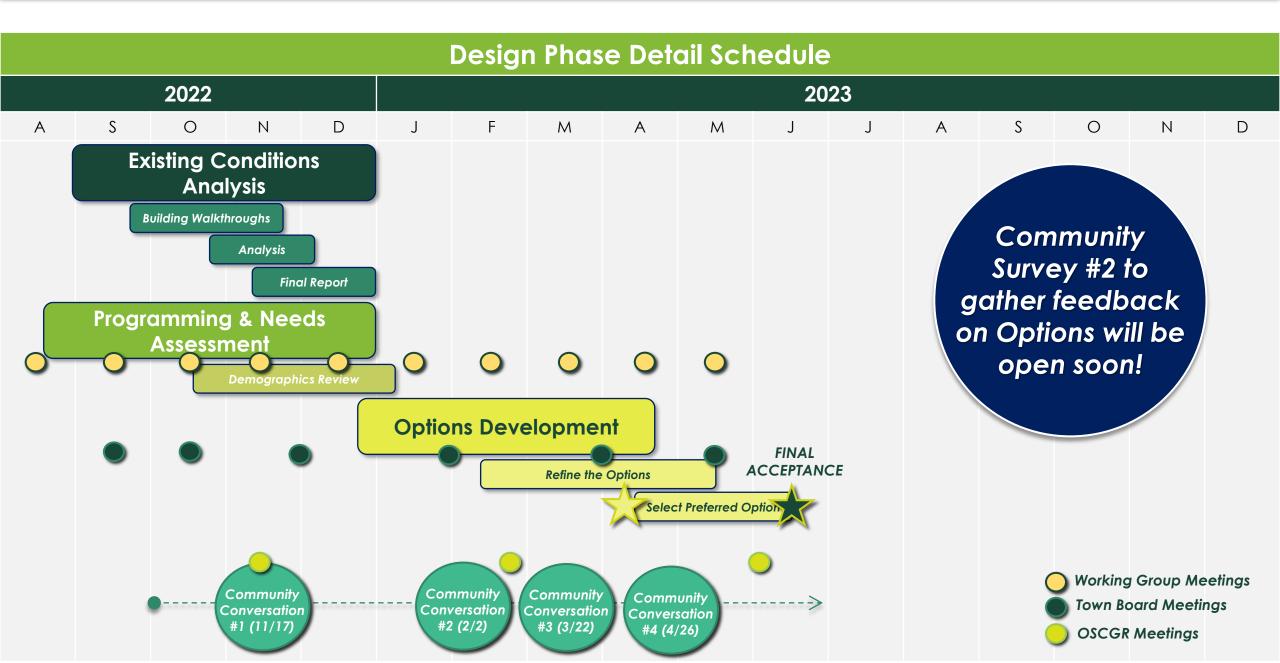
13

12















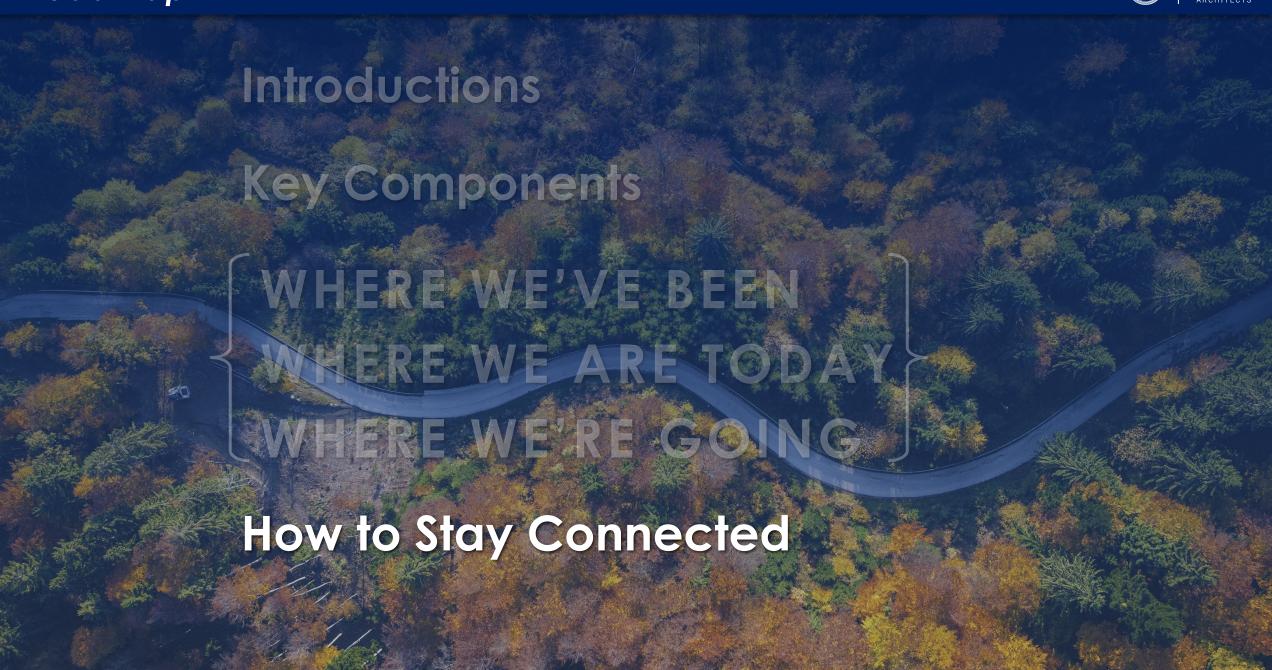
What do you like, not like, want to explore? What <u>could</u> vs. <u>should</u> be different? (priorities)



Let's pause for discussion

- ? Any questions so far?
- Any additional feedback to share?







Project Email:

DistrictPlan@trumbullps.net

Project Website:

https://www.trumbullps.org/about-us/master-plan



IMAGINING POSSIBILITIES

FOR TRUMBULL'S SCHOOL FACILITIES

TRUMBULL, CT

BOE Retreat

Cooperative Educational Services
May 8, 2023