## Dexter Park Project – Public Forum

SD Phase

# Project Update

March 19, 2020





## CONTENTS

## Where We've Been - Review of Options

- Existing Conditions Review
- Review Building / School Configuration options
- Review of Final Option
- Review Cost Data
- Review Options if the Town Votes NO

#### MSBA Requirements for Further Evaluation in the Next Phase (PSR)

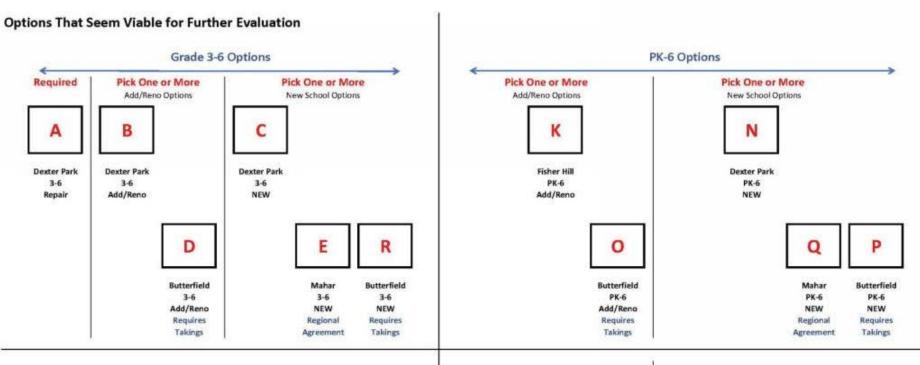
1. Repair/Renovations

2. One or More: 3-6 Addition/Renovation

3. One or More: PK-6 Addition/Renovation

4. One or More: 3-6 New School

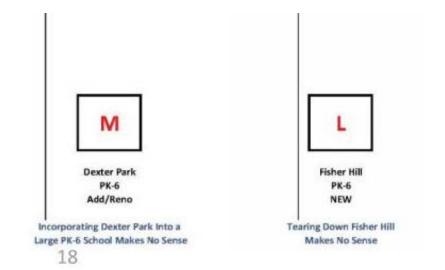
5. One or More: PK-6 New School



#### Options That Don't Seem to Make Sense



Fisher Hill is a Viable Early Childhood Facility Building Another PK-2 Facility to Replace it Makes No Sense



## Option A: Repair/Renovations at Dexter Park

(MSBA Requirement)



- -This Option does not meet the goals of the Educational Plan.
- -Temporary solution to school system issues (at best)
- Building not suitable for renovation.
- Proximity to beaver pond makes major construction prohibitive.

## Option B: 3-6 Add/Reno @ Dexter Park

(PK-2 at Fisher Hill)



20

#### **Reason for Elimination:**

-The Dexter Park building is not in suitable condition for an addition/renovation project.

## Option C: NEW 3-6 at Dexter Park

(PK-2 at Fisher Hill)



- -This Option does not meet the goals of the Educational Plan.
- -Was determined to not be a cost-effective solution.
- -Leaves Fisher Hill School still in need of renovations.

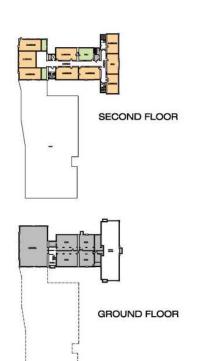
## Option D: 3-6 Add/Reno @ Butterfield

(PK-2 at Fisher Hill)







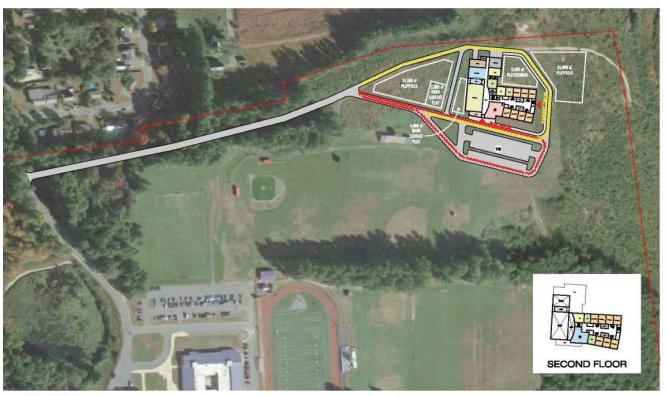


- -This Option does not meet the goals of the Educational Plan.
- -Would require extensive land acquisition.
- -Inadequate play space to support school program.
- -Provides dangerous traffic flow in surrounding neighborhood.



#### Option E: New 3-6 at Mahar

(PK-2 at Fisher Hill)



#### **Reason for Elimination:**

- -This Option does not meet the goals of the Educational Plan.
- -Would require land acquisition, which was deemed infeasible given the project's timeline.
- -Would require construction of additional play fields to replace existing.
- -Requires FAA approval (airport flight path)





SITE / FIRST FLOOR



## Option K: PK-6 Add/Reno @ Fisher Hill

(Demolish Dexter Park)





FIRST FLOOR

#### **Chosen Option:**

- -Meets the Educational Plan.
- -Determined to be most cost-effective Option.
- -Eliminates future capital expenses for Fisher Hill.



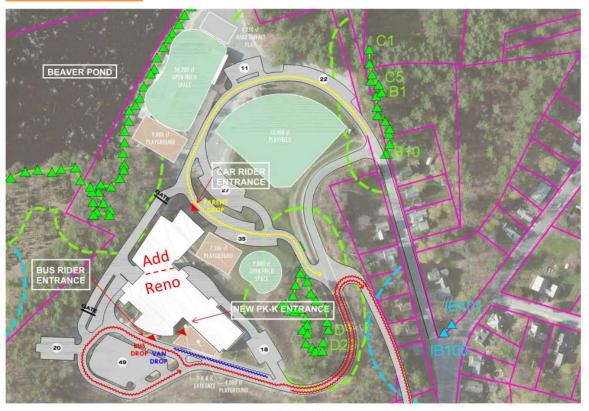




SITE / SECOND FLOOR



#### Option K.1 – PK-6 Add/Reno at Fisher Hill



#### **Chosen Option:**

- -Meets the Educational Plan.
- -Determined to be most cost-effective Option.
- -Eliminates future capital expenses for Fisher Hill.



SITE PLAN





#### Option K.2 – PK-6 Add/Reno at Fisher Hill



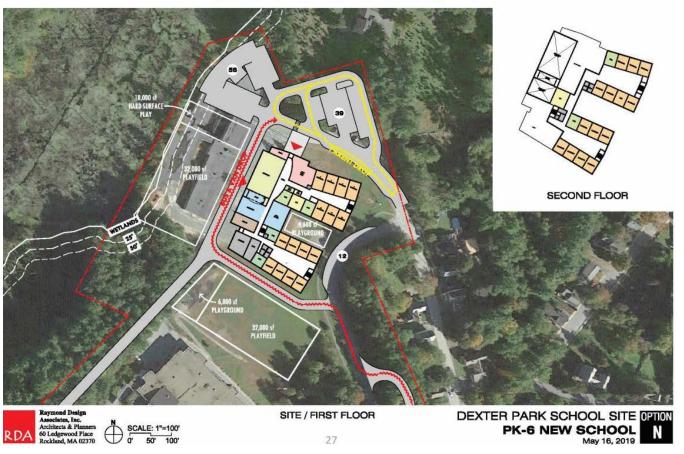


FISHER HILL SCHOOL SITE OPTION

- -Building layout not consistent with the goal of creating a sense of "one school", as identified in the Educational Plan.
- -Although this Option contained many desirable attributes, the Option K.1 variation was preferred.

## Option N: New PK-6 at Dexter Park

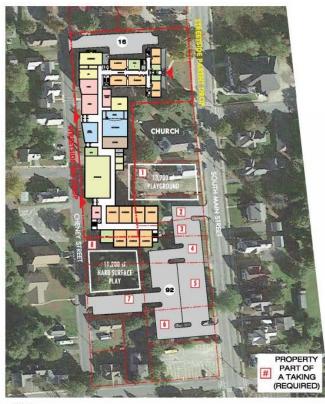
(Decommission Fisher Hill)

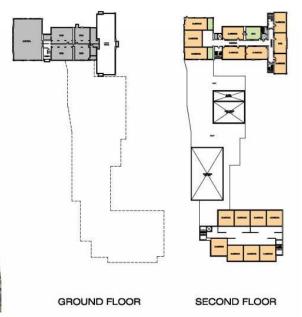


- -Would leave Fisher Hill School empty. Not an acceptable option to the town.
- Would leave the town responsible for expensive upkeep and remodeling of this empty building.

#### Option O: PK-6 Add/Reno at Butterfield

(Decommission Fisher Hill)





- -This Option does not meet the goals of the Educational Plan.
- -Would require land acquisition.
- -Inadequate play space to support school program.
- -Provides dangerous traffic flow in surrounding neighborhood.
- -Would abandon Fisher Hill School.





SITE / FIRST FLOOR



## Option P: New PK-6 at Butterfield

(Decommission Fisher Hill)





- -All of the drawbacks identified with Options D and O; determined to be impractical.
- -Additional demolition required; cost-prohibitive.



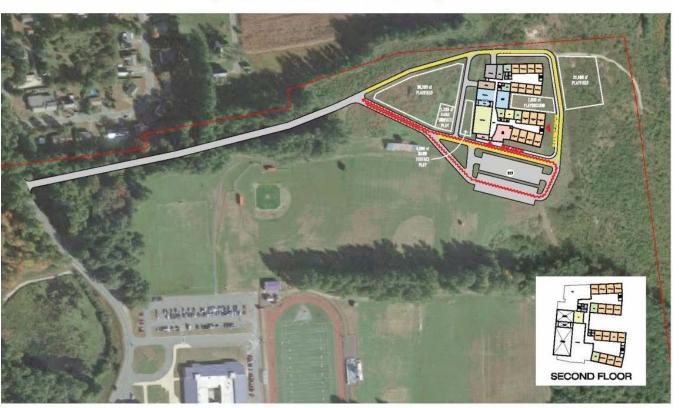


SITE / FIRST FLOOR



## Option Q: New PK-6 at Mahar

(Decommission Fisher Hill)



- -Would require land acquisition, which was deemed infeasible given the project's timeline.
- -Would require construction of additional play fields to replace existing.
- -Requires FAA approval (airport flight path)







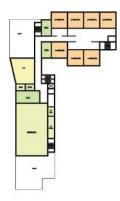




## Option R: New 3-6 at Butterfield

(PK-2 at Fisher Hill)





SECOND FLOOR

- -This Option does not meet the goals of the Educational Plan.
- -Drawbacks of this Option noted previously; determined to be impractical.



SITE / FIRST FLOOR



#### SCHEMATIC DESIGN | DEVELOPMENT OF OPTION K.1

- Site Accessibility, Circulation, and Safety Improvements
- Right-sizing of spaces critical to the Educational Plan
- Accommodates both school functions and Community use

#### **EXTERIOR RENDERING**





































## PSR ESTIMATE SCOPE | New Access Drive

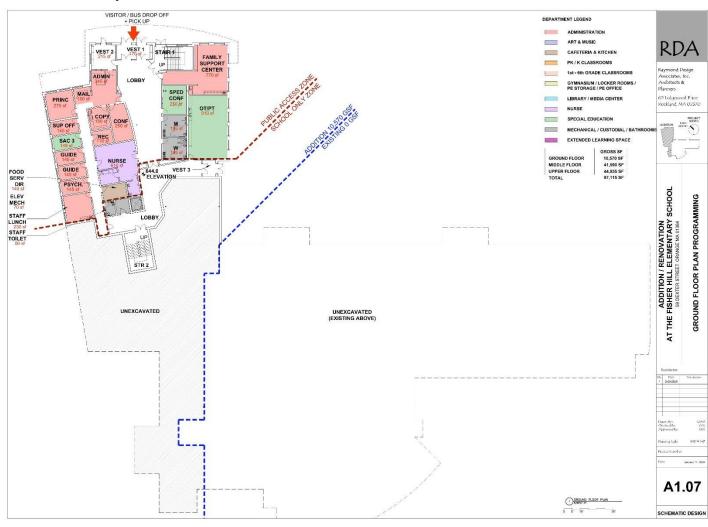






## SCHEMATIC DESIGN | DEVELOPMENT OF FLOOR PLANS

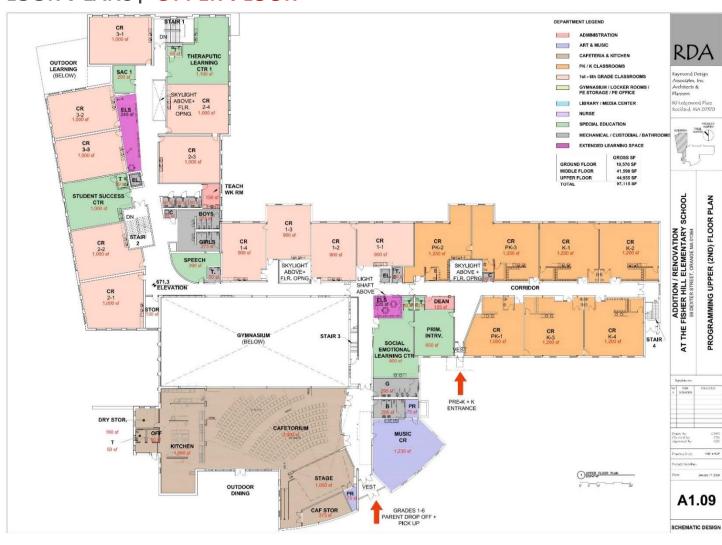
#### **SD FLOOR PLANS | LOWER FLOOR**



#### SD FLOOR PLANS | MIDDLE FLOOR

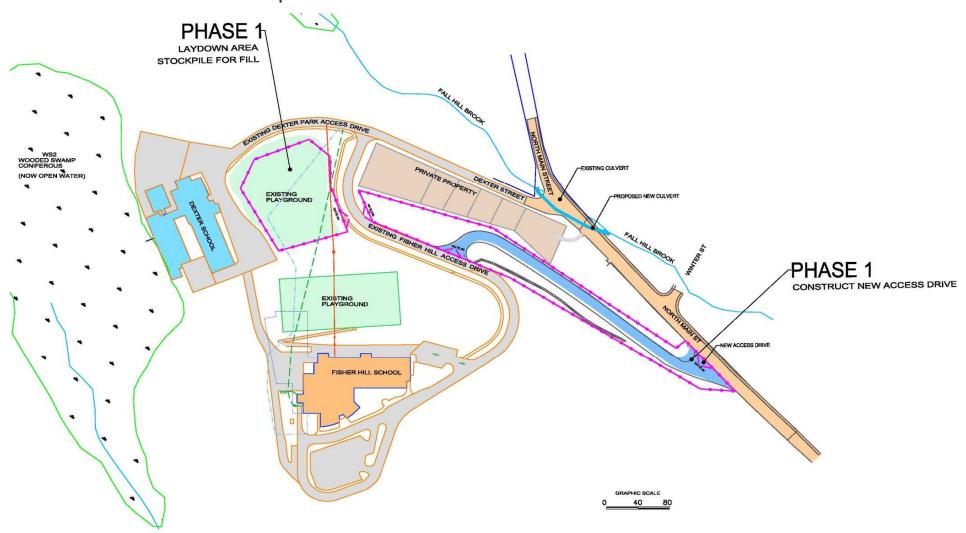


#### SD FLOOR PLANS | UPPER FLOOR

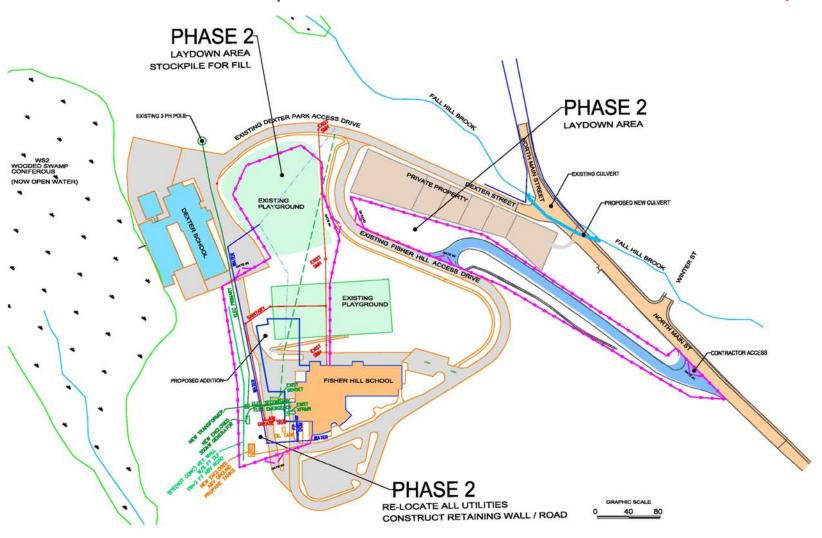


## SCHEMATIC DESIGN | SEQUENCE OF CONSTRUCTION PHASING

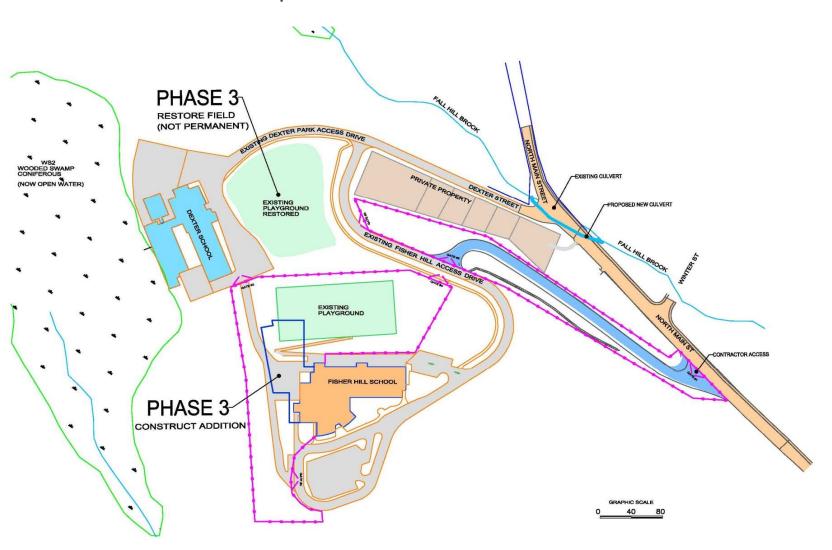
#### **SD ESTIMATE SCOPE | CONSTRUCTION: PHASE ONE - BUILD ACCESS ROAD**



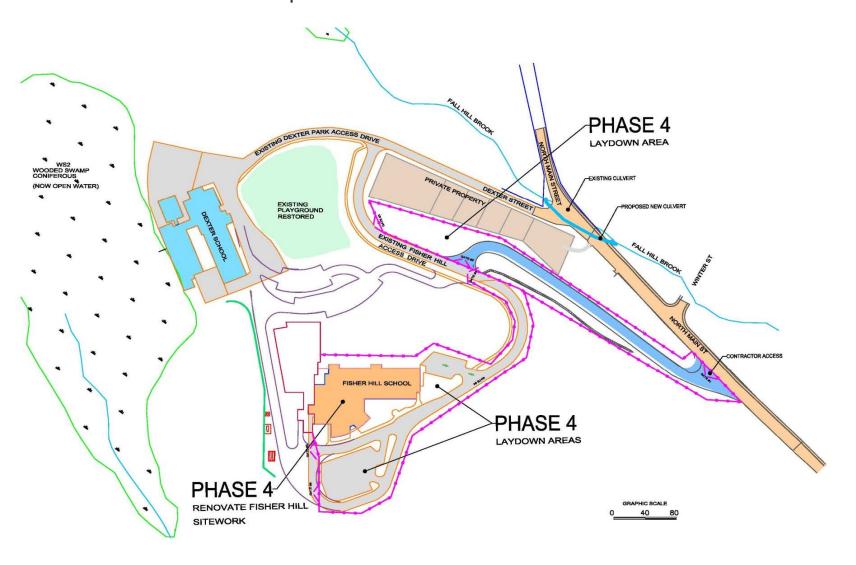
#### **SD ESTIMATE SCOPE | CONSTRUCTION : PHASE TWO - NEW UTILITIES, SITE PREP**



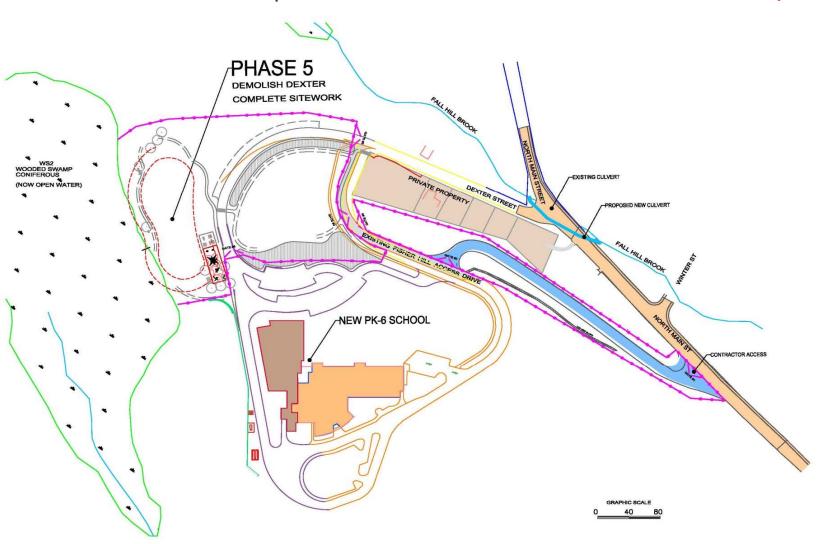
#### **SD ESTIMATE SCOPE | CONSTRUCTION: PHASE THREE - BUILD ADDITIONS**



#### **SD ESTIMATE SCOPE | CONSTRUCTION: PHASE FOUR - RENOVATE EXISTING**



## **SD ESTIMATE SCOPE | CONSTRUCTION: PHASE FIVE - DEMO DEXTER, FINISH SITE**



## SCHEMATIC DESIGN | COST DATA

#### SCHEMATIC DESIGN | COST DATA

#### **Dexter Park Replacement – Construction Project Costs**

\$57,697,704 - Total Project Cost

\$45,730,728 - Construction Cost

\$34,620,720 - MSBA contribution (75% of construction cost)

\$23,076,984 - Town Share

\$-15,537,100 - Future Capital Cost Avoided (see table below)

\$7,539,884 - Actual Town Expenditure

Future cost Avoided	Year	Value in 2021			lue in Future	Notes
				39	% esc. Per <b></b> ∕ţ	Current issue - estimates in
Dexter Structural Upgrades	2021	\$	3,500,000	\$	3,500,000	progress
Replace Dexter portable classrooms	2022	\$	2,750,000	\$	2,832,500	Replace with permanent structure
Dexter hazardous material removal	2024	\$	250,000	\$	272,500	Deteriorating, must be done
Dexter heating/power upgrades	2024	\$	3,200,000	\$	3,488,000	
Fisher Hill Roof Replacement	2025	\$	850,000	\$	952,000	
Fisher Hill - Update HVAC system	2027	\$	1,510,000	\$	1,827,100	
Fisher Hill Window/Door Replacement	2030	\$	1,350,000	\$	1,755,000	
Fisher Hill Power / Lighting upgrades	2030	\$	475,000	\$	617,500	
Fisher Hill kitchen upgrades	2032	\$	225,000	\$	292,500	
Total			14,110,000		15,537,100	
Note: Most of this cost would not be MSBA reimbursable						

Note: Soft Costs (Architect & Engineering) not included in above. Usually 20% of construction costs

First Year Impact of a Proposition 2 1/2 Debt Exclusion (estimated) - Average Home Value - \$153,500

Total Amount of Borrowing	Bond Rate	Term in Years	1st Yr. Pmt	Tax Rate	Avg Res Incr.	Per Month
23,076,984	2.50%	30	788,464	1.50	\$231.00	\$19.25

## SCHEMATIC DESIGN | COST DATA DETAIL - OPM AND DESIGNER

Town of Orange Dexter Park Elementary School			HILL Hill International
Project Budget	Estimated Budget	or Otherwise Ineligible	Estimated Basis of MSBA Grant
Feasibility Study Agreement			
OPM Feasibility Study	\$207,000	\$0	\$207,000
A&E Feasibility Study	\$442,500	\$0	\$442,500
Environmental & Site	\$107,500	\$0	\$107,500
Other	\$118,000	\$0	\$118,000
Feasibility Study Agreement Subtotal	\$875,000	02	\$875,000
Owner's Project Manager	4010,000		4010,000
Design Development	\$150,000	\$0	\$150,000
Construction Contract Documents	\$219,000	\$40,926	\$178,074
Bidding	\$35,000	\$0	\$35,000
Construction Contract Administration	\$985,000	\$34,499	\$950,501
Closeout	\$80,000	\$0	\$80,000
Extra Services	\$25,000	\$0	\$25,000
Reimbursable & Other Services	\$10,000	\$0	\$10,000
Cost Estimates	\$50,000	\$0	\$50,000
Advertising	\$2,000	\$0	\$2,000
Other Administrative Costs	\$30,000	\$0	\$30,000
Owner's Project Manager Total	\$1,586,000	\$75,425	\$1,510,575
Architecture and Engineering	200000000000000000000000000000000000000		
Design Development	\$875,000	\$0	\$875,000
Construction Contract Documents	\$1,815,000	\$117,184	\$1,697,816
Bidding	\$120,000	\$0	\$120,000
Construction Contract Administration	\$1,500,000	\$108,643	\$1,391,357
Closeout	\$46,400	\$0	\$46,400
Other Basic Services	\$0	\$0	\$0
Engineering, Printing, Survey, Haz Mat	\$535,000	\$0	\$535,000
Architectural/Engineering Subtotal	\$4,891,400	\$225,827	\$4,665,573

#### SCHEMATIC DESIGN | COST DATA DETAIL — BUILDING

Town of Orange Dexter Park Elementary School			HILL Hill International
Project Budget	Estimated Budget	or Otherwise Ineligible	Estimated Basis of MSBA Grant
Construction Costs			
Foundations	\$2,351,668		
Basement Construction	\$0		
Super Structure	\$3,111,335		
Exterior Closure	\$0		
Exterior Walls	\$1,636,727		
Exterior Windows	\$1,066,590		
Exterior Doors	\$195,500		
Roofing	\$1,445,005		
Interior Construction	\$3,784,932		
Staircases	\$133,500		
Interior Finishes	\$1,982,985		
Conveying Systems	\$170,000		
Plumbing	\$1,205,735		
HVAC	\$4,306,881		
Fire Protection	\$647,439		
Electrical	\$3,756,979		
Equipment	\$501,300		
Furnishings	\$100,080		
Existing Building Demolition	\$541,503	\$0	
In-Building Hazardous Material Abatement	\$300,000	\$0	
Asbestos Containing Floor Material Abatement	\$71,224	\$71,224	
Other Hazardous Material Abatement	\$100,000	\$50,000	

## SCHEMATIC DESIGN | COST DATA DETAIL - SITEWORK AND CONTRACTOR COST

BUILDING SITEWORK			
Site Preparation	\$1,345,948	\$0	
Site Improvements	\$2,480,081	\$0	
Site Civil / Mechanical Utilities	\$895,360	\$0	
Site Electrical Utilities	\$717,342	\$0	
Other Site Construction	\$822,196	\$822,196	
Site Cost over Allowance		\$3,326,999	
Construction Trades Subtotal	\$33,670,310	\$4,270,419	
Contingencies (Design and Pricing)	\$3,503,950	\$444,407	
Sub-Contractor Bonds	\$481,793	\$61,106	
D/B/B Insurance	\$761,426	\$96,572	
General Conditions	\$3,722,122	\$472,078	
D/B/B Overhead & Profit	\$1,298,824	\$164,730	
Escalation to Mid-Point of Construction	\$2,292,303	\$290,734	
Construction Cost over Funding Cap		\$6,896,704	
Construction Budget	\$45,730,728	\$12,696,750	\$33,033,978

#### SCHEMATIC DESIGN | COST DATA - MICS. COSTS, FURNITURE AND TOTALS

Town of Orange Dexter Park Elementary School			HILL Hill International
Project Budget	Estimated Budget	Scope Items Excluded or Otherwise Ineligible	Estimated Basis of MSBA Grant
Miscellaneous Project Costs			
Utility costs, Testing, Moving	\$140,000	\$40,000	\$100,000
Furnishings and Equipment			
Furniture, Fixtures, and Equipment	\$624,000	\$0	\$624,000
Technology	\$624,000	\$0	\$624,000
FF&E Subtotal	\$1,388,000	\$40,000	\$1,348,000
Total Project Budget	\$54,481,128	\$13,048,003	\$41,433,125

## SCHEMATIC DESIGN | COST DATA - CONTINGENCIES AND REIMBURSEMENT CALC'S

Project Budget	\$54,481,128	\$13,048,003	\$41,433,125	\$33,146,500		
Board Authorization		80.00	Reimbursement Rate Befo	ore Incentive Points		
Design Enrollment	520	3.37	Total Incentive Points <sup>3</sup>			
Total Building Gross Floor Area (GSF)	97,115	80.00%	MSBA Reimbursement Ra	te		
Total Project Budget (excluding Contingencies)	\$54,481,128	NOTES This document was prepared by the M:	SBA based on a preliminary review of inf	formation and estimates		
Scope Items Excluded or Otherwise Ineligible	- \$13,048,003	provided by the Town of Orange for the		t. Based on this preliminary		
Third Party Funding (Ineligible)	- \$0	however, this document does not conta		ost and scope items which may		
Estimated Basis of Maximum Total Facilities Grant <sup>1</sup>	\$41,433,125	cost and scope items may be eligible for	r reimbursement by the MSBA. All proje	ect budget, cost and scope		
Reimbursement Rate <sup>3</sup>	80.00%	determine that certain additional budget, cost and scope items are ineligible for reimbursement.				
Est. Max. Total Facilities Grant (before recovery)1	\$33,146,500					
Cost Recovery 4	- \$1,504	include any potentially eligible continge				
Estimated Maximum Total Facilities Grant <sup>1</sup>	\$33,144,996	2 - Pursuant to Section 3.20 of the Project Funding Agreement and the applicable policies and guid the Authority, any project costs associated with the reallocation or transfer of funds from either the Contingency or the Construction contingency to other budget line items shall be subject to review by				
Construction Contingency <sup>2</sup>	\$2,286,536	Authority to determine whether any such costs are eligible for reimbursement by the Authority. subject to review and audit by the MSBA.				
Ineligible Construction Contingency <sup>2</sup>	\$1,371,921	20.00% before applying any incentive points. Therefore, the Town is not cligible to receive any inc				
"Potentially Eligible" Construction Contingency <sup>2</sup>	\$914,615					
Owner's Contingency <sup>2</sup>	\$930,040	4 - Cost associated with the commission	ning of ineligible square footage will resu			
Ineligible Owner's Contingency <sup>2</sup>	\$0	of the overall commissioning cost. The \$1,504 has been deducted from the Es	unds to be \$1,504. A total of and the Maximum Total			
"Potentially Eligible" Owner's Contingency <sup>2</sup>	\$930,040	Facilities Grant.				
Total Potentially Eligible Contingency <sup>2</sup>	\$1,844,655					
Reimbursement Rate <sup>3</sup>	80.00%					
Potential Additional Contingency Grant Funds <sup>2</sup>	\$1,475,724					
Maximum Total Facilities Grant	\$34,620,720					
Total Project Budget	\$57,697,704					
Town Share	-\$23,076,984	_				

## VOTER INFORMATION | WORSENING EXISTING CONDITIONS CRUMBLING FLOOR STRUCTURE AT DEXTER PARK SCHOOL





CONCRETE HAS CONTINUED TO DETERIORATE AND REQUIRES REPLACEMENT.

BUILDING INSPECTOR REQUIRING REPAIR IF BUILDING IS TO BE USED MORE
THAN 2 YEARS. TEMPORARY REPAIRS MAY BE REQUIRED.





#### **TOWN VOTE | WHAT HAPPENS IF THE VOTE FOR THIS PROJECT FAILS?**

#### Failed Vote

- The deteriorating structure at Dexter would have to be repaired before the next school year – Approx. 1 year duration.
  - Students would be relocated during repair. \$200,000 to \$600,000
  - Architect and engineers would have to design repair. \$700,000
  - Construction. \$3,500,000
  - Move students back into the still inadequate building. \$20,000
- The Town of Orange would likely be removed from consideration to receive funding for a new school project for a minimum of five years. During this time, inadequate existing facilities would continue to deteriorate.
- A new Feasibility Study would need to be conducted at the Town's expense not reimbursable by the MSBA
- Capital expenses associated with maintaining existing school buildings would be funded solely by the Town (as opposed to being addressed as part of the new school project, and therefore reimbursable by the MSBA at ~80%)

#### **TOWN VOTE | WHAT HAPPENS IF THE VOTE FOR THIS PROJECT FAILS?**

#### FUTURE EXPENSES THE TOWN WILL HAVE TO RAISE TAXES TO FUND

Future Cost Avoided	Year	V	Value in 2021		alue in Future 8% esc. Per Yr	Notes	
Dexter Structural Upgrades	2021	\$	3,500,000	\$	3,500,000	Current issue - estimates in progress	
Replace Dexter portable classrooms	2022	\$	2,750,000	\$	2,832,500	Replace with permanent structure	
Dexter hazardous material removal	2024	\$	250,000	\$	272,500	Deteriorating, must be done	
Dexter heating/power upgrades	2024	\$	3,200,000	\$	3,488,000		
Fisher Hill Roof Replacement	2025	\$	850,000	\$	952,000		
Fisher Hill - Update HVAC system	2027	\$	1,510,000	\$	1,827,100		
Fisher Hill Window/Door Replacement	2030	\$	1,350,000	\$	1,755,000		
Fisher Hill Power / Lighting upgrades	2030	\$	475,000	\$	617,500		
Fisher Hill kitchen upgrades	2032	\$	225,000	\$	292,500		
Total			14,110,000		15,537,100		

Note: Most of this cost would not be MSBA reimbursable

Note: Soft Costs (Architect & Engineering) not included in above. Usually 20% of construction costs

# Questions & Comments