W. EDWARD BALMER SCHOOL FEASIBILITY STUDY NORTHBRIDGE, MA

School Building Committee







Massachusetts School Building Authority Funding Affordable, Sustainable, and Efficient Schools in Partnership with Local Communities



SEPTEMBER 19, 2017

- 1. Review of Forum #3 Comments and Findings
- 2. Design Alternatives Review
- 3. Conceptual Cost Estimate Update
- 4. Evaluation of Design Alternatives
- 5. Questions, Comments, Feedback

REVIEW OFFORUM NO. 3 FINDINGS

FORUM NO. 3 FINDINGS

- Group B (Grade 2-4 Options-510 enrollment) not favored by any breakout group last night
- Group C (Grade PK-5 Option-1030 enrollment) discussed as best path forward by attendees.
 - Most financial sense long-term
 - Comparisons made of "Cost to Town" of Group C options to cost of Option A (no MSBA reimbursement, or educational improvements)
 - Wish to explore 5-year total cost of ownership (TCO) of maintaining BES/NES versus TCO of new building



FORUM NO. 3 COMMENTS

TABLE 1

- Options C1 and C2 too long and disruptive
- C3 and C5 most appealing
- C5 with school up front appealing (not a parking lot)
- C3 and C5: less impact and shorter duration/less impact to students
- C3 and C4 might be too far back for safety
- B series is not economical.

FORUM NO. 3 COMMENTS

TABLE 2

- Security back of site options are better
- Like separation of upper school/lower school into different wings (C4)
- Some appreciated separation of grade pairings onto different floors
- Traffic Circulation rear options seem to have better flow
- Some questioned usefulness of N Main connection
- Like exit lined up with Lake Street 4-way intersection

FORUM NO. 3 COMMENTS

TABLE 2 - Continued

- Need to look at cost of maintenance of BES/NES over longer construction durations versus shorter
- Prefer C Series options unanimously
- Want to look at impact of add/reno versus new (duration)





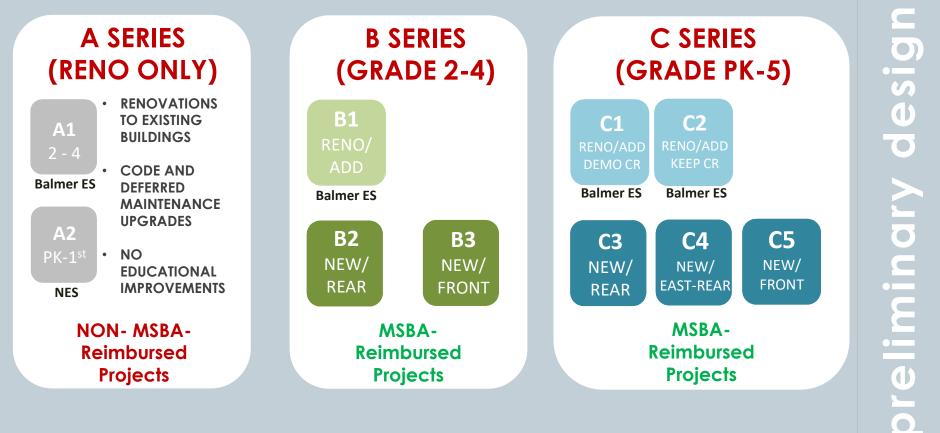
SPACE PROGRAM UPDATE

Grade 2-4 Option (510 enrollment):

- Existing (Balmer): 71,871 GSF
- Proposed (meets MSBA standard): 89,463 GSF
- Existing Balmer School is 19.7% undersized

Grade PK-5 Option (1030 enrollment):

- Existing (Balmer + NES) 128,431 GSF
- Proposed (meets MSBA standard): 172,845 GSF
- Existing Balmer + NES space is 25.7% undersized



DESIGN ALTERNATIVES

OPTION A – CODE AND DEFERRED MAINTENANCE UPGRADES

To extend the life of the building, this renovation-only option

addresses:

- deferred maintenance
- code deficiencies
- life safety issues
- basic functional deficiencies
- Does not address any educational program issues
- This work is not MSBA-reimbursable

OPTION B1 2-4 (510)

LEGEND

- 1. VAIL FIELD
- 2. BUS ENTRANCE
- 3. CAR ENTRANCE
- 4. RAIN GARDEN
- 5. VISITOR PARKING
- 6. BUS DROP-OFF
- 7. PLAYGROUND
- 8. CAR DROP-OFF
- 9. EXISTING BLDG.
- 10. ADDITION
- 11. OUTDOOR LEARNING
- 12. ONE-WAY EXIT
- 13. PLAY FIELDS
- 14. NATURE TRAIL
- 15. WETLAND

ADD/RENO - ONE STORY ADDITION - 3 YEARS



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OPTION B1 - 2-4 RENO/ADD

PRELIMINARY THREE-YEAR PHASING PLAN:

- Y1 Q2-4: Enabling work; Build new addition one grade, one story as swing space.
- 2. Y2 Q1-2: Move one grade to addition, renovate vacant existing space
- 3. Y2 Q2-3: Small reno projects on vacations; swing out next block to addition.
- 4. Y2 Q3-4: Renovate vacant existing space; swing out next block.
- 5. Y3 Q1-2: Renovate vacant existing core space;
- 6. Y3 Q2-3: Tie together all remaining spaces; all site work; turn over



NEW CONSTRUCTION – TWO STORIES – TWO YEARS

- 16. BIKE-PED PATH
- 15. OUTDOOR LEARNING
- 14. NATURE TRAIL
- 13. WETLAND
- 12. PLAYGROUND

- 11. PLAY FIELD

6. CORE SPACES

7. GRADE 3-4 (2 ST)

DRY SWALE

9. CAR DROP OFF 10. BUS DROP OFF

OPTION B2

VAIL FIELD

BUS ENTRANCE

CAR ENTRANCE **RAIN GARDEN**

GRADE 2 (1 ST.)

2-4(510)

LEGEND

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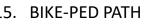
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OPTION B3 2-4 (510)

LEGEND

- PLAY FIELDS 1.
- 2. **BUS ENTRANCE**
- 3. CAR ENTRANCE
- 4. LEARNING GARDEN
- 5. PLAYGROUND
- 6. GRADE 2 (1 ST.)
- 7. CORE SPACES
- 8. GRADE 3-4 (2 ST.)
- 9. CAR DROP OFF
- 10. BUS DROP OFF
- 11. RAIN GARDEN
- 12. NEW VAIL FIELD
- 13. WETLAND
- 14. NATURE TRAIL

- 15. BIKE-PED PATH







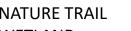




OPTION C1 PK-5 (1030)

LEGEND

- VAIL FIELD 1.
- 2. **BUS ENTRANCE**
- 3. CAR ENTRANCE
- 4. **RAIN GARDEN**
- VISITOR PARKING 5.
- 6. **BUS DROP OFF**
- 7. PLAYGROUND
- 8. CAR DROP OFF
- 9. EXISTING BUILDING
- **10. ADDITIONS**
- 11. OUTDOOR LEARNING
- 12. ONE-WAY EXIT
- 13. PLAYFIELDS
- 14. NATURE TRAIL
- 15. WETLAND





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ADD/ RENO - TWO STORIES - FOUR YEARS



OPTION C1 – PK-5 RENO/ADD

PRELIMINARY PHASING PLAN:

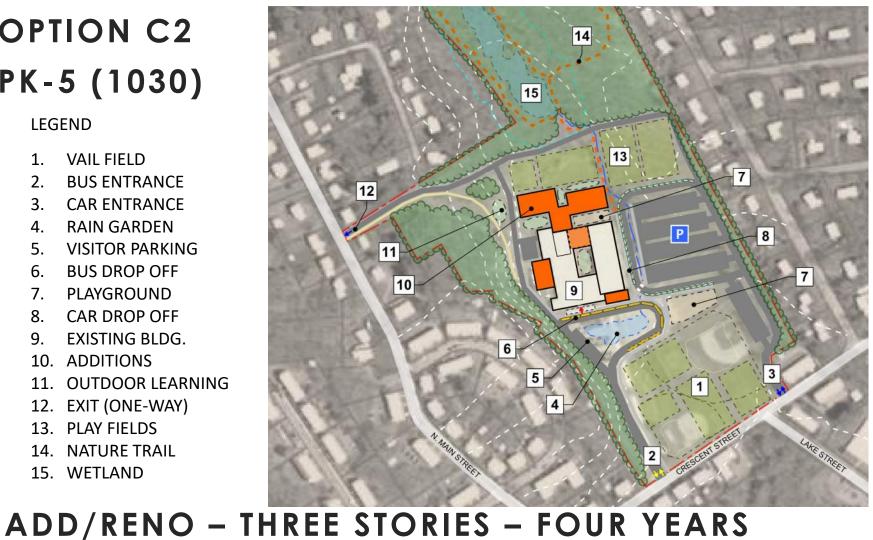
- 1. Y1 Q2-4, Y2 Q1: Enabling site work; Build new addition for grades 2-5; Includes new mechanical room for all.
- 2. Y2 Q2-3: Move grades 2-4 to addition, use Grade 5 addition space for specials temporarily; demolish existing 2-story classroom wing
- 3. Y2 Q4, Y3 Q1-2: Build new addition for grades PK-1 plus new gym addition; small reno/enabling projects over vacations
- 4. Y3 Q3-4, Y4 Q1: use lower school addition as temp swing space for specials and admin; renovate existing core space
- 5. Y4 Q2-3: Summer to complete core reno, move PK-1 from NES, and tie together; all remaining site work; turn over.

OPTION C2 PK-5 (1030)

LEGEND

- VAIL FIELD 1.
- 2. BUS ENTRANCE
- 3. CAR ENTRANCE
- 4. RAIN GARDEN
- 5. VISITOR PARKING
- 6. BUS DROP OFF
- 7. PLAYGROUND
- 8. CAR DROP OFF
- 9. EXISTING BLDG.
- **10. ADDITIONS**
- 11. OUTDOOR LEARNING
- 12. EXIT (ONE-WAY)
- 13. PLAY FIELDS
- 14. NATURE TRAIL
- 15. WETLAND







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OPTION C3 PK-5 (1030)

LEGEND

- 1. VAIL FIELD
- 2. ENTRY/EXIT
- 3. RAIN GARDEN
- 4. DRY SWALE
- 5. PLAY FIELDS
- 6. NEW SCHOOL
- 7. CAR DROP OFF
- 8. PK-K DROP-OFF
- 9. PLAYGROUND
- 10. BUS DROP OFF
- 11. OUTDOOR LEARNING
- 12. NATURE TRAIL
- 13. WETLAND
- 14. BIKE-PED PATH





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NEW CONSTRUCTION – TWO STORIES – THREE YEARS

- 15. ONE-WAY EXIT
- 14. NATURE TRAIL
- 13. WETLAND
- **12. OUTDOOR LEARNING**
- 11. BUS DROP OFF
- 10. NEW BUILDING

- 9. PK-K DROP OFF
- 8. PLAYGROUND
- 7. CAR DROP OFF
- 6. PLAY FIELD
- DRY SWALE 5.
- 4. **RAIN GARDEN**
- 3.
- **BUS ENTRANCE**

- 2. CAR ENTRANCE



1. VAIL FIELD



LEGEND



OPTION C4

PK-5 (1030)





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OPTION C5 PK-5 (1030)

LEGEND

- 1. PLAY FIELDS
- 2. PLAYGROUND
- 3. OUTDOOR LEARNING
- 4. UPPER SCHOOL
- 5. CORE SPACES
- 6. LOWER SCHOOL
- 7. BUS DROP OFF
- 8. CAR DROP OFF
- 9. RAIN GARDEN
- 10. NEW VAIL FIELD
- 11. WETLAND
- 12. NATURE TRAIL
- 13. PATHWAY





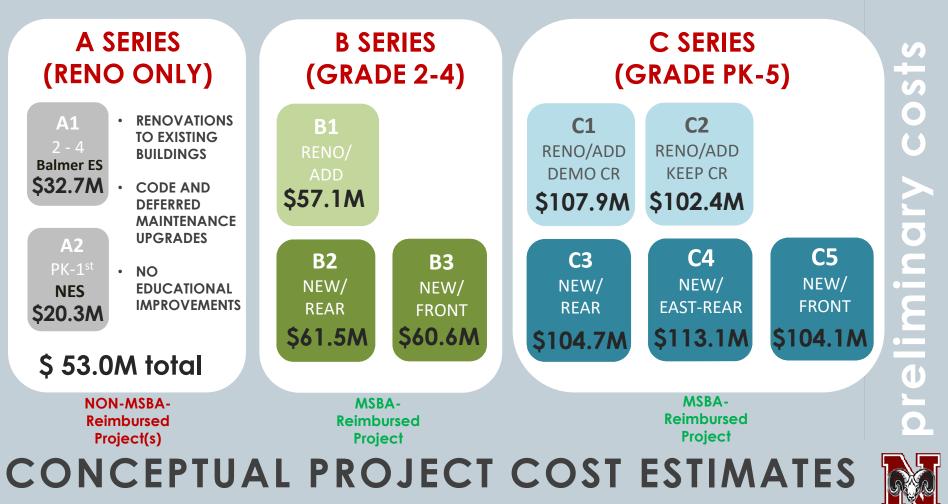
preliminary design



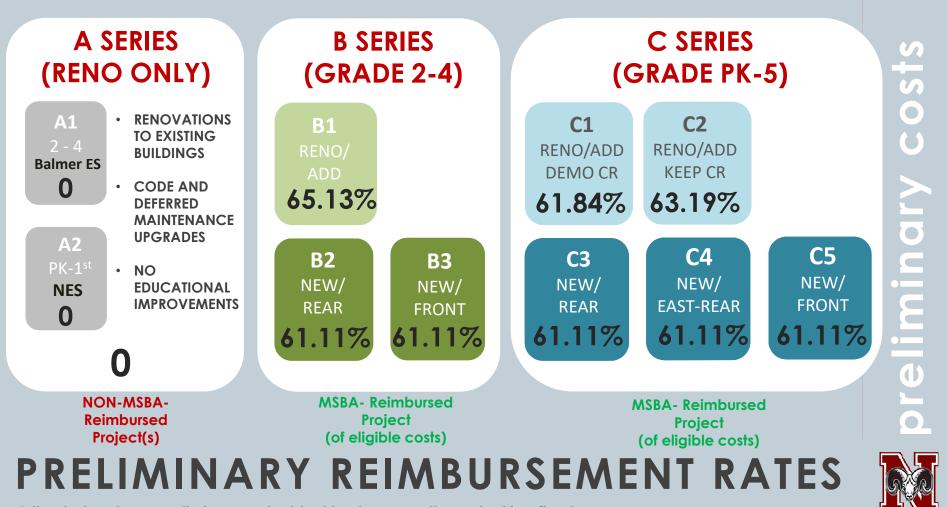


MSBA REIMBURSEMENT PROCESS

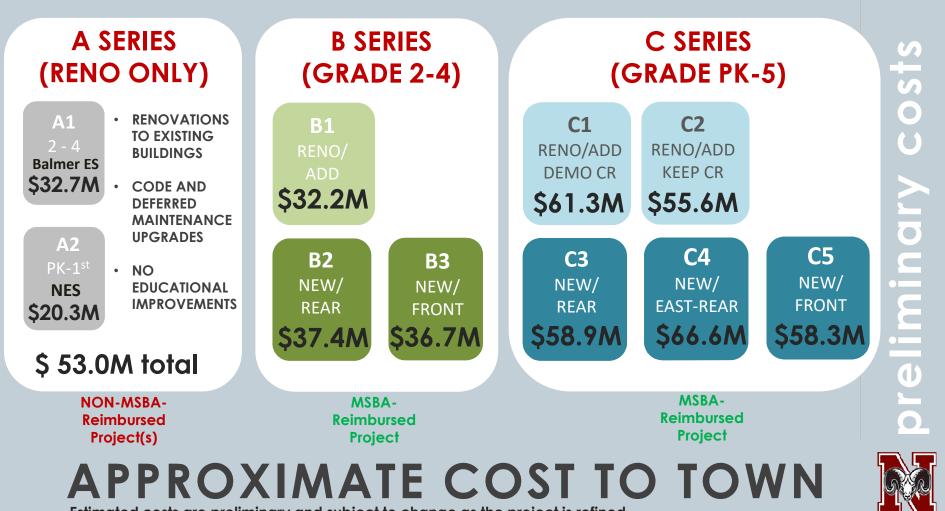
- MSBA is the state authority that administers and funds a grant program for Massachusetts school projects.
- MSBA mandates a rigorous, multi-step study and approval process.
- MSBA will reimburse all Eligible Costs, at the mandated District Base Rate (57.11% for Northbridge), plus bonus points.
- Examples of Ineligible Costs include:
 - Site costs over 8%
 - Building costs over \$326/SF
 - Asbestos flooring abatement
 - FF&E/ Technology costs over \$2,400 per student
 - Legal Fees, Moving Expenses, Construction contingencies over 1% for new construction or 2% for renovations.
 - Classroom modular used for temporary swing space



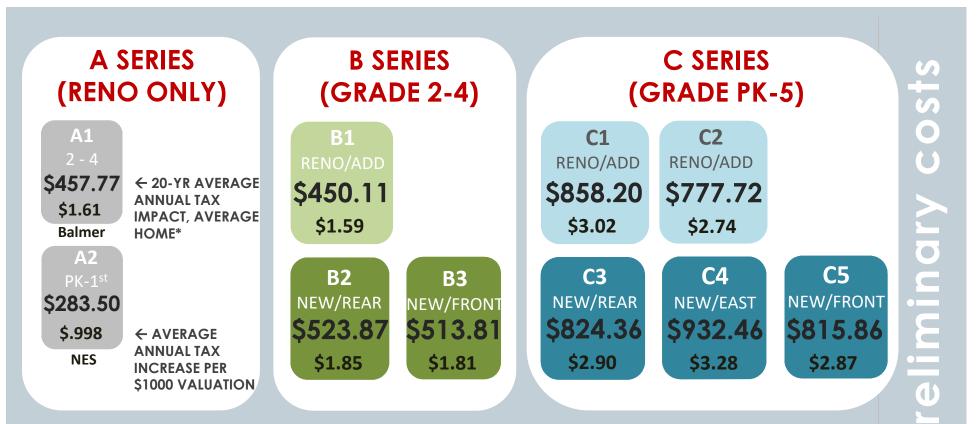
Estimated costs are preliminary and subject to change as the project is refined.



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APPROXIMATE TAX IMPACTS

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* AVERAGE HOMESTEAD VALUE = \$284,000, FY 2017 VALUATION ASSUMPTIONS: BOND RATE 5% TERM 20 YEARS Estimated costs are preliminary and subject to change as the project is refined





EVALUATION OF OPTIONS



OPTIONS REVIEW WITH COST TO TOWN





evaluatio options

KEY ISSUES FOR EVALUATION

- Project Cost
- Provides educational benefits to greatest number of students
 - Add/reno versus new
 - Grades 2-4 versus PK-5
- Educational impacts of project:
 - Phasing
 - Duration
 - Complexity
- Site Planning:
 - Building Location (front, side, back of site)
 - Circulation
 - Parking
 - Site Amenities



NEXT STEPS

- School Building Committee meetings are every two weeks. Meetings and agendas are posted on the District's website.
- Sept/October 2017 SBC to select top three options and vote to submit PDP report to MSBA
- October 6, 2017 Submit Preliminary Design Program (PDP) to MSBA
- October 30, 2017 Community Forum #4 at NES Cafeteria
- November 27, 2017 Community Forum #5 at Balmer ES Library
- January 3, 2018 Submit Preferred Schematic Report (PSR) to MSBA
- May 9, 2018 Submit Schematic Design (SD) documents to MSBA
- June 27, 2018 MSBA board meeting to approve project to bring to voters
- Fall 2018 Town Vote

