



Lexington Public Schools

Bowman/Bridge Renovation Project





Tonight's Discussion Agenda

- Review Base Scope (\$14.2M) vs. Expanded Scope (\$19.4M)
 - Base Scope design funded at 2010 Town Meeting (\$750,000)
 - Expanded Scope requires additional design funding (\$285,000 at 2011 ATM)

- Construction Schedule Impact
 - Base Scope project, implement 2011 & 2012 (2011 ATM Vote)
 - Expanded Scope project, implement 2012 & 2013 (2011 ATM or STM Vote)

- Debt Exclusion Considerations
 - Base Scope stand alone project, 2011 ATM and June 2011 debt exclusion
 - Expanded Scope stand alone project, 2011 ATM and June or November debt exclusion
 - Combine with Estabrook School, 2011 ATM or STM (if emergency SOI is approved), and Fall 2011 debt exclusion
 - Maybe combine with Estabrook School, (if regular SOI is approved), depending on information from the MSBA



Tonight's Anticipated Outcomes

- Recommend Bridge and Bowman Scope (Base or Expanded)
 - If expanded scope, should design process slow down until 2011 ATM authorization?

- Process to identify Town Meeting and Debt Exclusion Votes
 - Budget Summit on December 15
 - Meet with Board of Selectmen's Capital Planning Committee
 - Status of Estabrook Emergency SOI and 2011 ATM
 - Strategy to combine Bridge/Bowman/Estabrook as one debt exclusion vote or as separate votes

- MSBA LHS Green Repair
 - Recommendation on scope for funding discussion at December 15 Summit



Road Map

- Project History
- Base Scope
 - Minimal building plan
- Expanded Scope
 - Essential elements that are needed for 20-25 year
 - Fiscally Responsible Plan
- Our Recommendation
- Question/Answer
- School Committee Recommendations



Project History

- 2006-Master planning process of town facilities
- 2009-District wide plan (Ad hoc committee)
 - 4 elementary schools, significant need, sustain them until a new school is built
 - Bridge/Bowman minimal project to meet energy and building envelope needs - no programmatic improvements
 - Estabrook-New School
 - Hastings-Determine what work should be done, should it be replaced, or would it close

Current Perspective

- Bowman and Bridge will be in service at least 20-25 years
- Current project does not reflect increased educational and space needs



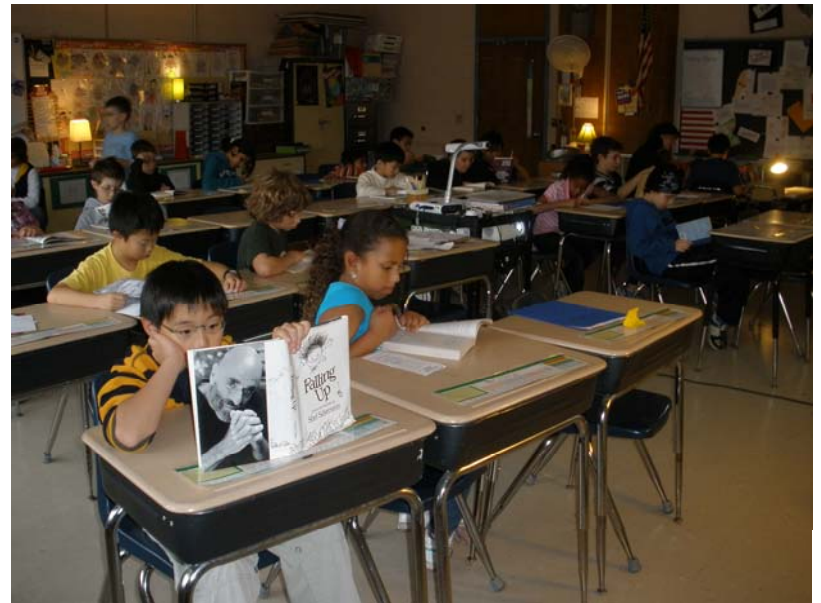


Base Scope

- 10 year building plan, 460 students
 - New Roof (Bowman)
 - Windows
 - HVAC
 - Replace boiler
 - Universal Accessibility
(handicapped considerations)

Rationale for Expanded Scope

- Health
- Safety
- Enrollment
- Equity





Rationale for Expanded Scope

- Characteristics **essential** to 20-25 year buildings, 560 student capacity
 - Base Scope
 - Sprinkler System
 - Security/Administration
 - Increased Classroom Space
 - Upgraded HVAC
 - Upgraded electrical/lighting

Rationale for Expanded Scope 20-25 year plan

- Security/Administration
 - Restructure entry way to allow for a secure entrance
 - Administrative office area reconfigured for efficiency, small meeting spaces / offices, and additional classrooms
 - Which will lead to...



Rationale for Expanded Scope

- Efficient use of existing square footage:
 - Increase Classroom Space
 - Population is increasing, not decreasing as projected during base scope design
 - Bowman-540 students
 - Bridge-520 students
 - Significant growth over other district schools



Rationale for Expanded Scope

- Efficient use of existing square footage continued:
 - Per School:
 - + 2 classrooms in current boiler/storage space (boiler move to small addition)
 - +1 full classroom in existing space, under utilized space
 - +1 enlargement of existing auxiliary classroom
 - Total=8 classrooms





Rationale for Expanded Scope 20-25 year plan

- Upgraded HVAC

- Option 4 -- Centralize Ventilation
Support by Energy Committee

- Option 5

Centralize Ventilation with Dehumidification/Partial
Partial (approx. 8 degrees temp. reduction)

- *This is the recommendation of the Bridge/Bowman
Renovation Committee
 - Improved educational/health reasons
 - Improved ventilation/increased airflow
 - Decreases humidity (technology/mold)
 - Decreases temperature in rooms by about 8 degrees
 - Improved acoustic performance of classrooms to recommended guidelines
 - Quieter for all students



Rationale for Expanded Scope 20-25 years

- Option 6 (Full Air Conditioning)

School Committee Policy for equity among schools

- Educational benefits for shoulder seasons
- Technology life is extended in air-conditioned spaces. Technology is integrated throughout the building
- Temperature Controlled
- Fiske/Harrington
- Policy decision for new schools? (Estabrook)

Rationale for Expanded Scope 20-25 year plan

- Electrical/Lighting
 - Energy Savings
 - Master Clock/PA System
 - Technology-CAT 6 wiring
 - Ability to house technology in the classroom
 - Equity
 - Health issues with current lighting
- *Town wide project currently in the works, may eliminate \$74,000 in this plan



Fiscally Responsible

- In the planned system
 - we achieve ~\$100,000 in utility savings
 - exceed our Green Community Goal
 - outperform Fiske and Harrington on a \$/sf basis.





Fiscally Responsible

- Focus on:
 - Structure
 - Health and safety
 - Educational benefits

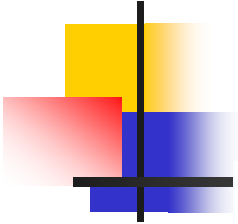
- NO:
 - Interior painting
 - Redesign of landscape
 - Redesign of parking
 - Furniture



Fiscally Responsible

- Bowman/Bridge Renovation Project
 - 20-25 year Project
- Total:
 - 2 renovated schools:
9.5 million each
 - OR:
 - 2 brand new schools:
60 million for both





Red = Admin/Small Teaching
Blue = Classroom



MAIN LEVEL FLOOR PLAN

REPRESENTATION IS OF BRIDGE SCHOOL

LEGEND:

BASE SCOPE

- BASE SCOPE REDESIGN
- ADMINISTRATION/NURSE/OFFICE
- GENERAL CLASSROOMS
- STORAGE/TOILETS/MECHANICAL
- KILN ROOM



Summary

- Expanded Scope-Cost 19.4 million for both schools
 - HVAC Option 5 (Partial Cooling)
 - 4 additional classrooms at each school
 - Additional security
 - New small group teaching spaces
 - Required Technology and Phone and PA system upgrades/replacements



Questions/Answers
