"Rational Basis" Decision Making Overview

Decision Statement

"How do we eliminate portable classrooms at Hadley?"

Definition: Outcomes which MUST be satisfied by the final solution

Examples:

• Portable Classrooms must disappear

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- Solution must fit within current site

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- Solution must be fit within current site
- Attendance boundaries will not change

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- Solution must be fit within current site
- Attendance boundaries will not change
- No reduction in program capacity

Definition – Criteria that establish the relevant parameters of the solution



Examples:

Impact on Green Space

- Impact on Green Space
- Impact on Existing Building

- Impact on Green Space
- Impact on Existing Building
- Implementation Timeline

- Impact on Green Space
- Impact on Existing Building
- Implementation Timeline
- First Cost Impact

- Impact on Green Space
- Impact on Existing Building
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- Operating Cost Impacts Energy, Maintenance, Capital

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- Aesthetics

- Impact on Green Space
- Impact on Existing Building
- Implementation Timeline
- First Cost Impact
- Operating Cost Impacts Energy, Maintenance, Capital
- Aesthetics
- Building Disruption during Implementation

- Impact on Green Space
- Impact on Existing Building
- Implementation Timeline
- First Cost Impact
- Operating Cost Impacts Energy, Maintenance, Capital
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- Building Disruption during Implementation
- Property Tax Impacts

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- Impact on Existing Building
- Implementation Timeline
- First Cost Impact
- Operating Cost Impacts Energy, Maintenance, Capital
- Aesthetics
- Building Disruption during Implementation
- Property Tax Impacts
- Student Access During Construction

- Impact on Green Space
- Impact on Existing Building
- Implementation Timeline
- First Cost Impact
- Operating Cost Impacts Energy, Maintenance, Capital
- Aesthetics
- Building Disruption during Implementation
- Property Tax Impacts
- Student Access During Construction
- Future Program Flexibility

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- Impact on Existing Building
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- First Cost Impact
- Operating Cost Impacts Energy, Maintenance, Capital
- Aesthetics
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- Constructability

- Impact on Green Space
- Impact on Existing Building
- Implementation Timeline
- First Cost Impact
- Operating Cost Impacts Energy, Maintenance, Capital
- Aesthetics
- Building Disruption during Implementation
- Property Tax Impacts
- Student Access During Construction
- Future Program Flexibility
- Constructability
- Operational Disruption

Examples:

Maintain Status Quo – Do Nothing

- Maintain Status Quo Do Nothing
- Build 10 New Classrooms on Grade

- Maintain Status Quo Do Nothing
- Build 10 New Classrooms on Grade
- Build 10 New Classrooms above existing Classrooms

- Maintain Status Quo Do Nothing
- Build 10 New Classrooms on Grade
- Build 10 New Classrooms above existing Classrooms
- Reconfigure existing space to add 10 new classrooms

Measure proposed solutions v. mandatory criteria

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- Solution must satisfy ALL mandatory criteria

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- Solution must satisfy ALL mandatory criteria
- Solution does not satisfy mandatory criteria = DOA

MANDATORY CRITERIA DECISION MATRIX								
PROPOSED SOLUTION	ELIMINATES PORTABLES	FITS ON CURRENT SITE	ATTENDANCE BOUNDARIES	EDUCATION PROGRAM CAPACITY UNCHANGED	GO/NO GO			
Maintain Status Quo - Do Nothing	No	Yes	Yes	Yes	NO GO			
Build 10 Classrooms on Grade	Yes	Yes	Yes	Yes	GO			
Build 10 Classrooms above Existing	Yes	Yes	Yes	Yes	GO			
Re-work Interior Space	Yes	Yes	Yes	Yes	GO			

- Measure proposed solutions v. mandatory criteria
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- Solution does not satisfy mandatory criteria = DOA
- Solutions that satisfy mandatory criteria move to the next step

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- Analyze solutions v. relevant objectives
- Move on to Scoring Analysis

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- Weighting Factor" times rating = Final Score
- Final scores added to give Total score

RELEVANT OBJECTIVES EVALUATION MATRIX

	WEIGHTING	PROPOSED SOLUTIONS			
FACTOR		BUILD 10 CLASSROOMS ON GRADE	BUILD 10 CLASSROOMS ABOVE EXISTING	REWORK INTERIOR SPACE	
Green Space Impact	3	3	10	10	
		9	30	30	
Existing Building Impact	3	9	5	2	
		27	15	6	
Implementation Timeline	2	3	5	8	
		6	10	16	
First cost Impact	4	6	7	8	
		24	28	32	
Operating cost Impact	7	5	7	9	
		35	49	63	
Aesthetics	2	8	8	10	
		16	16	20	
Building Disruption	5	9	5	2	
		45	25	10	
Property Tax Impact	8	5	7	9	
		40	56	72	
Student Access	5	10	5	2	
		50	25	10	
Future Program Flexibilty	8	10	10	7	
		80	80	56	
Constructabllity	3	9	5	7	
		27	15	21	
Operational Disruption	5	9	7	5	
		45	35	25	
TOTAL SCORE		404	384	361	

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Referendum fails

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- Example

Referendum fails

Major enrollment swings

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- Example

Referendum fails Major enrollment swings Zoning Modification

RISK ASSESSMENT MATRIX								
PROPOSED SOLUTION		FAILED REFERENDUM	MAJOR ENROLLMENT CHANGE	ZONING MODIFICATION				
Build 10 Classrooms on Grade	PROBABILITY	High	Low	Low				
	SERIOUSNESS	High	Low	High				
Build 10 Classrooms above Existing	PROBABILITY	High	Low	Low				
	SERIOUSNESS	High	Low	Medium				
Rework Interior Space	PROBABILITY	Low	Low	Low				
	SERIOUSNESS	Low	Low	Low				

Final Recommendation

 At the conclusion of the process, the committee presents their final recommendation solution to the Board of Education