

Raymond Design Associates, Inc.

222 North Street, Hingham, Massachusetts 02043 Telephone 781-749-5530

March 3, 2010

Ms. Mary Pichetti
Director of Capital Planning
Massachusetts School Building Authority
40 Broad Street
Boston, Massachusetts 02109

Re: Review Meeting Handout
Uxbridge High School

Ms. Pichetti:

Please find attached the following items for discussion purposes at today's meeting:

- 1. Development Options Cost Analysis for Three Options (RDA and JLA):
 - New High School at Quaker Highway Site
 - o Additions and Renovations at Uxbridge High Sch., Whiton Middle and Taft Elem. Schools
 - o New High School on the Existing Site with Add/Renos at Whiton Middle and Taft Elementary Schools
- 2. Conceptual Site Plan Additions at Uxbridge High School and Taft Elementary School
- 3. Conceptual Add/Reno Floor Plans at Uxbridge High Sch. Showing Use of Existing Classrooms
- 4. Conceptual Add/Reno Floor Plan at Taft Elementary School Showing Additions for PK-4 Program
- 5. Conceptual Site Plan New High School on Existing Site and Additions at Taft Elementary School.
- 6. Existing Site Plan Photograph at Whiton Middle School
- 7. Conceptual Add/Reno at Whiton Middle School for 5-8 Program
- 8. Annual Operating Cost Breakdown for 'Three School' and 'Four School' Development Options (Uxbridge Sch Dept)
- 9. School Choice Analysis (Uxbridge Sch Dept)

Sincerely Yours,

Raymond Design Associates, Inc.

Gene S. Raymond Jr., AIA President

New Construction Quaker Highway Renovation Existing Building New Construction Existing Site

Proposed Square Footage Construction Duration (months) Estimated Completion Opening Date

 123,000
 130,000
 123,000

 24
 36
 24

 Sep-2013
 Sep-2014
 Sep-2013

Construction Costs:	Salar Propinsi Statis, Popular D. Vallaria		
Substructure	1,756,555	257,600	1,756,5
Shell	7,310,129	3,178,300	
Interiors	5,620,045	5,759,525	
Services	7,193,350	6,383,825	
Equipment & Furnishings	1,482,361	1,513,200	1,482,3
Special Construction / Demolition	1,402,001	541,325	1,702,0
Direct Construction Costs	23,362,440	17,633,775	23,362,4
Direct Construction Costs/SF	190	136	20,002,
		1,051,489	2,360,
Sitework Street Continue (incline and incline and incl	5,457,081	2,644,768	
General Conditions (incl insurance & bonds)	2,120,839		2,051,
Overhead & Profit	928,211	660,900	833,
Estimating Contingency	3,186,857	2,269,091	2,860,
Escalation	3,154,989	2,246,400	2,832,
Hazmat removals		538,985	538,
Phasing Premium	-	1,293,931	
Total Construction Costs	38,210,417	28,339,339	34,839,
Construction Costs/Square Foot	. 311	218	
ndirect Costs:			in, had been all the Miles
Modulars	. 0	1,500,000	
Soft Costs	7,642,083	5,667,868	
Construction Contingency (5% new, 7.5% reno)	1,910,521	2,125,450	1,741,
Owner's Contingency	480,000	380,000	440,
Total Indirect Costs	10,032,604	9,673,318	9,149,
Total Project Costs	48,243,021	38,012,657	43,988,
Project Costs/Square Foot	392	292	
ional Projects			MANAGAN E
Long term projects at existing HS	\$ 6,229,149		
HVAC System (\$45/sf at 112,800sf)	1 m E 070 000 l		
	\$ 5,076,000		
Windows (30% replaced - the non 1987,1996 windows) (\$8/sf)	\$ 270,720		
Windows (30% replaced - the non 1987,1996 windows) (\$8/sf) Misc ADA Upgrades	\$ 270,720 \$ 250,000		
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Windows (30% replaced - the non 1987,1996 windows) (\$8/sf) Misc ADA Upgrades Contingency 5% Design Fees 6%	\$ 270,720 \$ 250,000		
Windows (30% replaced - the non 1987,1996 windows) (\$8/sf) Misc ADA Upgrades Contingency 5% Design Fees 6% Reconstruct little league fields (not including land purchase)	\$ 270,720 \$ 250,000 \$ 279,836	\$ 500,000	
Windows (30% replaced - the non 1987,1996 windows) (\$8/sf) Misc ADA Upgrades Contingency 5% Design Fees 6% Reconstruct little league fields (not including land purchase) Faft (Grades PK-4) Renovation/Addition	\$ 270,720 \$ 250,000 \$ 279,836	\$ 8,861,250	\$ 8,861
Windows (30% replaced - the non 1987,1996 windows) (\$8/sf) Misc ADA Upgrades Contingency 5% Design Fees 6% Reconstruct little league fields (not including land purchase) Taft (Grades PK-4) Renovation/Addition Addition (22,000sf @ \$260/sf)	\$ 270,720 \$ 250,000 \$ 279,836	\$ 8,861,250 \$ 5,720,000	\$ 8,861 \$ 5,720
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1-20-2010

Add/Reno High School Scope of Work

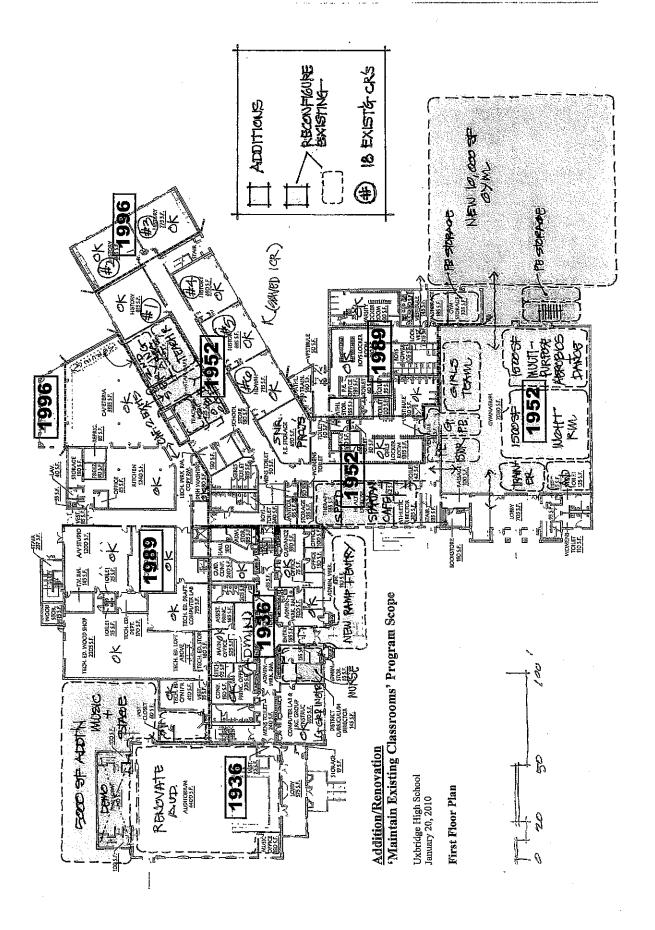
- Gym and Music Additions at Ux HS.
- Infill Second Floor at Gymnasium.
- Two Baseball/Multi-Purpose field overlays
- One Football field (track option) with Bleachers built into existing hillside
- Relocate two of three existing Little League fields
- Maintain one of three existing Little League fields
- Loose the existing lower level Multi-Purpose field
- Resurface/Reconfigure existing parking lot

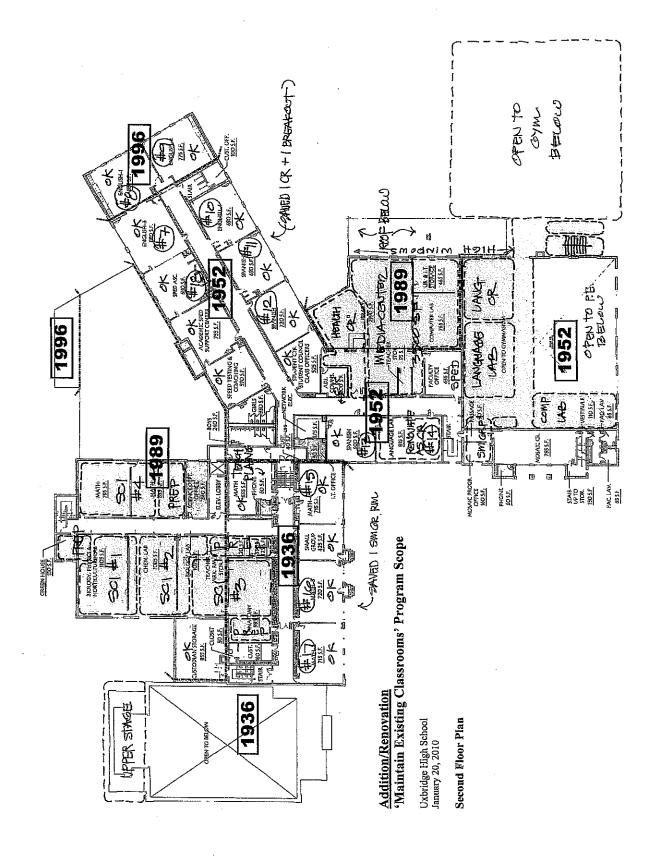
Addition at Taft Elementary School Scope of Work

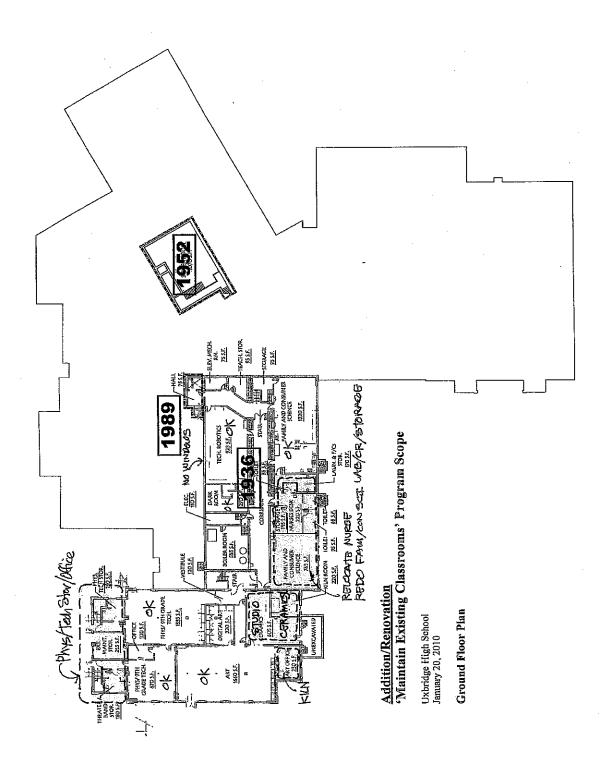
- 14 Classroom Addition to house PK thru Grade 4.
- One-Story with potential lower level for tollet and storage facilities accessible from high school playfields at Little League level.
- Reconfigure parking lot for bus drop-off and maximum parking.

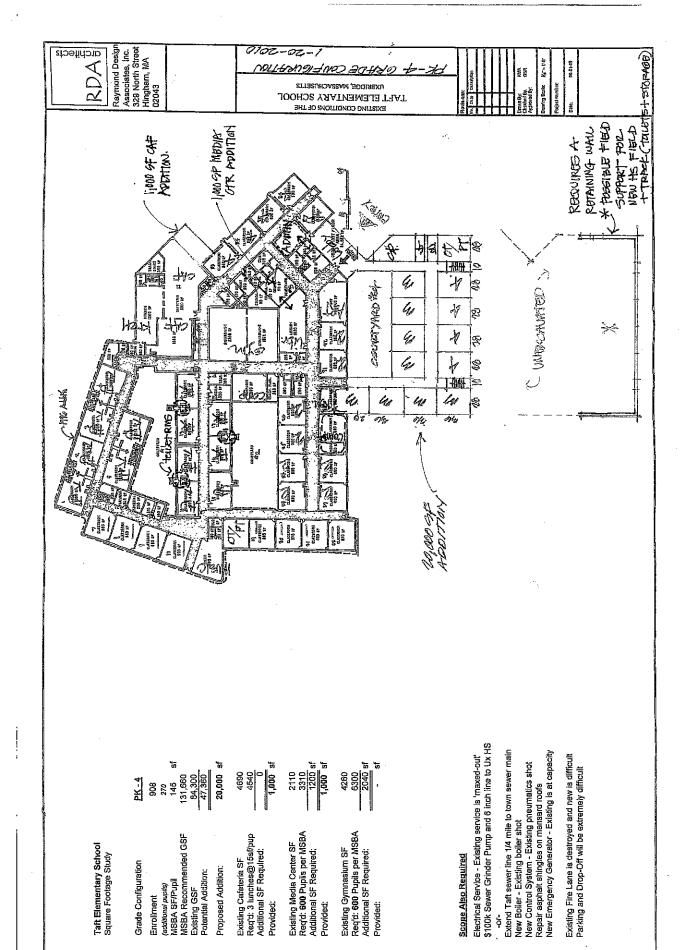


Figure 5.C: Existing High School - Project Area











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1-20-2010

New High School on Existing Site Scope of Work

- Demolish Existing High School after new High School is occupied.
- Two Baseball/Multi-Purpose field overlays
- One Football field (track option) with Bleachers built into existing hillside
- Relocate two of three existing Little League fields
- Maintain one of three existing Little League fields
- Loose the existing lower level Multi-Purpose field
- Resurface/Reconfigure existing parking lot

Addition at Taft Elementary School Scope of Work

- 14 Classroom Addition to house PK thru Grade 4.
- One-Story with potential lower level for toilet and storage facilities accessible from high school playfields at Little League level.

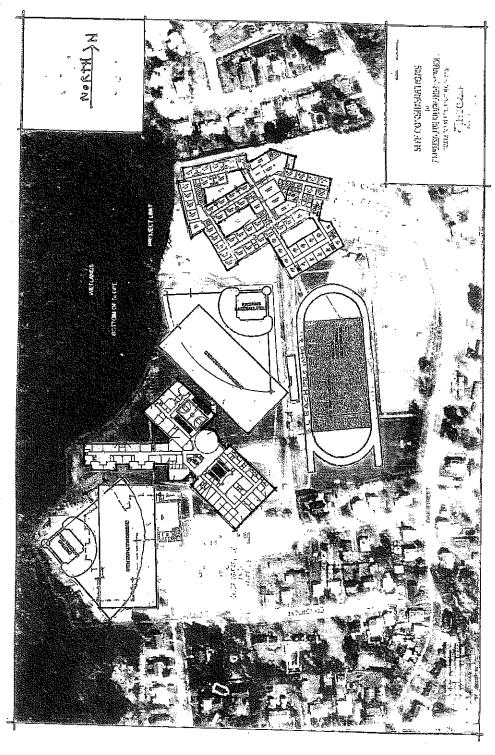


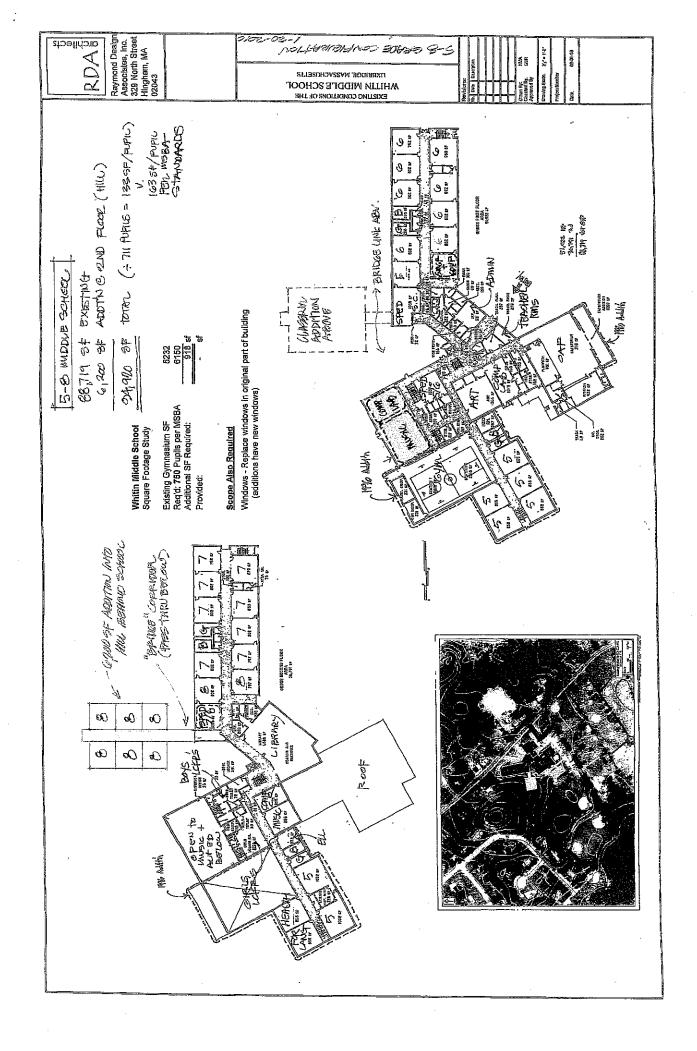
Figure 5.C: Existing High School - Project Area

The physical property location is the same as for the Addition/Renovation alternative Reconfigure parking lot for bus drop-off EXISTING HIGH SCHOOL SITE / NEW BUILDING: and maximum parking.



ALL MEASUREMENTS & LOCATIONS ARE APPROXIMA

BSC GROUP



Annual Operating Cost Comparison - Uxbridge Public Schools

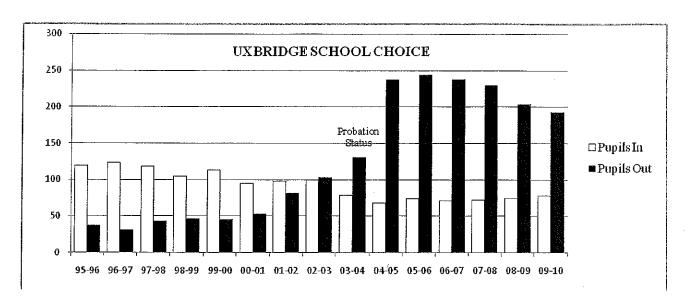
	Construction / Reconstruction Options							
Evmence Cetegony	Current		Renovations w/ 3 Buildings ±/- %			New High School		,, ,,
Expense Category:	<u>.3</u>	Buildings	<u>W/ .</u>	o Dullainys	<u>+/- %</u> _	<u>w.</u>	4 Buildings	<u>+/- %</u>
District G & A Overhead								
School Committee	\$	34,451	\$	34,451	0.0%	\$	34,451	0.0%
District Wide G & A	\$	2,721,884	\$	2,721,884	0.0%	\$	2,721,884	0.0%
DW Maintenance	\$	224,767	\$	249,508	11.0%	\$	304,767	35.6%
			•					
<u>Taft Elementary</u>	G	rades 1 - 4	Pre	K - Grade 4		PreK - Grade2		
Building Admin	\$	251,825	\$	463,693		\$	312,567	
Instructional Salaries	\$	3,188,455	\$	3,993,913		\$	2,384,786	
Support Salaries	\$	523,527	\$	741,092		\$	476,882	
Guidance / Counselors	\$	50,013	\$	50,013		\$	24,773	
Ed Supplies & Materials	\$	79,925	\$	105,615		\$	65,279	
Athletics	\$, 0,020	\$,00,010		\$	-	
Custodial Services	\$	75,027	\$	94,429		\$	75,027	
Utilities	\$	157,549	\$	198,291	-	\$ 	157,549	
Total Elementary:	\$	4,326,321	\$	5,527,046	27.8%	\$	3,496,863	-19.2%
			0.	rades 5 - 8		-	irades 3 - 5	
Whitin Middle School	G	rades 5 - 8	G	rades 5 - 6		G	races 5 - 5	
Building Admin	\$	275,572	\$	275,572		\$	214,831	
Instructional Salaries	\$	2,900,657	\$	2,900,657		\$	2,316,711	
Support Salaries	\$	520,655	\$	520,655		\$	391,218	
Guidance / Counselors	\$	185,750	\$	185,750		\$	70,552	
Ed Supplies & Materials	\$	89,600	\$	89,600		\$	62,193	
Athletics	\$	11,080	\$	11,080		\$	2,703	
Custodial Services	\$	78,943	\$	84,461		\$	78,943	
<u>Utilities</u>	\$	145,159	\$	155,320	_	\$	145,159	
Total Middle School:	\$	4,207,416	\$	4,223,095	0.4%	\$	3,282,310	-22.0%
Uxbridge High School	Grades 9 - 12		Gr	ades 9 - 12		G	irades 6 - 8	
Building Admin	\$	277,035	\$	277,035		\$	230,000	
Instructional Salaries	\$	2,544,223	\$	2,544,223		\$	2,193,072	
Support Salaries	\$	490,095	\$	490,095		\$	393,647	
Guidance / Counselors	\$	323,437	\$	323,437		\$	140,438	
Ed Supplies & Materials	\$	157,594	\$	157,594		\$	67,743	
Athletics		•	φ \$			\$		
	\$	92,600		92,600			8,377	
Custodial Services	\$	100,392	\$	117,302		\$	100,392	
Lease	\$	53,000	\$	53,000		\$	-	
<u>Utilities</u>	\$	201,036	\$	234,898	-	\$	201,036	
Total High School:	\$	4,239,412	\$	4,290,184	1.2%	\$	3,334,706	-21.3%

Annual Operating Cost Comparison - Uxbridge Public Schools

	Construction / Reconstruction Options							
	Curr	ent		Renovations		New	High School	
Expense Category:	_3	Buildings		w/ 3 Buildings	<u>+/- %</u> _	<u>w/ -</u>	4 Buildings	<u>+/- %</u>
Early Learning Center		-			-			-
		PreK - K						
Building Admin	\$	48,868	\$			\$	-	
Instructional Salaries	\$	805,458	\$	-		\$	=	
Support Salaries	\$	217,565	. \$	-		\$	-	
Guidance / Counselors	\$	•	\$	-		\$	-	
Ed Supplies & Materials	\$	25,690	\$	-		\$	-	
Athletics	\$	-	\$	-		\$	-	
Custodial Services	\$	12,460	\$	-		\$		
Utilities	\$	16,000	\$	-		\$	-	
<u>Lease</u>	\$	120,000	_\$_	-	-	\$		
Total Early Learning Center:	\$	1,246,041	\$	•	-100.0%	\$	-	-100.0%
New High School						Gr	ades 9 - 12	
Building Admin			•			\$	277,035	
nstructional Salaries						\$	2,544,223	
Support Salaries						\$	490,095	
Guidance / Counselors				•		\$	323,437	
Ed Supplies & Materials						\$	157,594	
Athletics						\$	92,600	
Custodial Services						\$	93,450	
						·	160,000	
<u>Utilities</u>	-					<u>\$</u>	. 100,000	
Total New High School:	\$	-				\$	4,138,434	
TOTAL DISTRICT:	\$	17,000,292	\$	17,046,169	0.3%	. \$	17,313,414	1.8%
Total Building Cost Comparis (excludes District Overhead)	on.							
Building Admin	\$	853,300	\$	1,016,300	19.1%	\$	1,034,432	21.2%
nstructional Salaries	э \$	9,438,793	\$	9,438,793	0.0%	\$	9,438,793	0.0%
				1,751,842	0.0%	. \$	1,751,842	0.0%
Support Salaries	\$	1,751,842	\$ \$	559,200	0.0%	. Ф	559,200	0.09
Guidance / Counselors	\$ •	559,200		352,809	0.0%	\$	352,809	0.09
Ed Supplies & Materials	\$	352,809	\$		0.0%	\$	103,680	0.09
Athletics	\$	103,680	\$	103,680			347,812	30.49
Custodial Services	\$	266,822	\$	296,192	11.0%	\$		
Jtilities	\$	371,708	\$	406,611	9.4%	\$	462,708	24.59
<u>Lease</u>	\$	173,000	_\$_	53,000	<u>-69.4%</u>	<u> </u>		<u>-100.09</u>
	\$	13,871,154	\$	13,978,427	0.8%	\$	14,051,276	1.39

Annual Operating Cost Comparison - Uxbridge Public Schools

Uxbridge School Choice



The chart above shows the negative impact that the failure to address the school facility issues in the past, coupled with our high school's NEASC Probation status, has had on School Choice.

Presently for the 2009-2010 school year, the following number of students (K-12) school choice out to the following school types:

Public School	193 students (cost of \$1.1 million to the district)
Private School	186 students (\$1 million lost Chapter 70 Aid)
Vocational School	203 students (cost of \$2.0 million to the district)
Total	582 students

Overall, the expectation is that the number of school choice out students will decrease over time with a construction project that ultimately removes our probation status. As shown on pages 1 and 2 of this document, the total increase in operating costs to the district for a fourth building would be \$313,122. A decrease of school choice out students by approximately 60 students, or approximately 10% of students choosing to attend other schools, would result in an additional savings of approximately \$313,000. Sixty students out of 582 is a very conservative number. It is not unreasonable that the construction of a new high school vs. an addition/renovation could result in a decrease of twice that number of students (120), over time, for a savings of over \$600,000.

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STATEMENT OF INTEREST FOR UXBRIDGE HIGH SCHOOL

MSBA CONCERNS INCLUDE:

PRIOR AND RECENT SIGNIFICANT STATE INVESTMENT IN UXBRIDGE'S SCHOOLS – INCLUDING \$13.9 MILLION FOR THE DISTRICT'S PRIORITY STATEMENT OF INTEREST SCHOOL, UXBRIDGE HIGH SCHOOL

- Since 1988, State has committed over \$32 million in grants, \$24 million of which has been paid to Uxbridge:
 - o \$7.2 million for addition and renovation to middle school in 1999;
 - o \$6.6 million for 1989 addition renovation to high school in 1988;
 - o \$11.2 million for construction of new elementary school in 1988 and 1999;
 - \$7.3 million for 1996 addition and renovation to the high school in 1999

<u>DISTRICT'S PROPOSED SOLUTION ADDS TO BUILDING INVENTORY – COMES WITH</u> <u>OPERATING EXPENSES</u>

- The District's proposed solution building a new high school adds a fourth facility to the District's school facility inventory.
- Statewide decline in enrollments as well as challenging economic times has most school districts looking to consolidate the number of facilities to reduce operating expenses of facilities and prevent teacher layoffs.
- Review of a district's operational budgets is a key component of the MSBA's process for
 determining whether to approve a grant for a proposed project. Careful review and scrutiny of
 these operational budgets to properly account for costs associated with a larger building:
 - o although more energy efficient, a building that includes more technology and complex control systems utilizes more energy; and
 - o additional educational programs, which may require additional staff as well as other operational costs.

<u>UXBRIDGE HIGH SCHOOL POPULATION IS SMALL – NEW BUILDING FOR 600</u> STUDENTS IS LESS EFFICIENT AND COST-EFFECTIVE

 MSBA regulations include standards for gross square feet per student for elementary, middle and high schools. A 600-student enrollment for a high school, at the lowest end of the MSBA's scale, presents a significant challenge in creating an efficient, cost-effective building that can address educational program goals, due to inefficient grossing factors.

PROJECTED ENROLLMENT ASSUMES THAT 50% OF SCHOOL CHOICE OUT STUDENTS RETURN TO UXBRIDGE

- The District's enrollment has been affected by an incremental increase in out-of-district attendance following the NEASC accreditation status changes in 2003 and 2004.
- The agreed-upon enrollment of 600 students presumes a return of almost 100 students to the Uxbridge system.
- The MSBA is concerned that if this assumption does not prove true it could result in an oversized new facility or result in the District facing school closure issues.

LACK OF LOCAL SUPPORT FOR NEW HIGH SCHOOL CREATES UNNECESSARY COSTS FOR BOTH MSBA AND UXBRIDGE AND AN OPPORTUNITY LOST

- Through its Feasibility Study Agreement with the District, the MSBA has committed to reimbursing the District 53.53% of eligible costs of a total budget of \$500,000, or up to \$267,500, through schematic design.
- Pursuant to the MSBA's regulations, a city, town or regional school district that has been
 approved for a proposed project has 120 days from the date of the Board's approval to obtain and
 certify local approval of an appropriation to fully fund the proposed project and all other local
 votes or approvals showing acceptance of the cost, site, type, scope and timelines for the
 proposed project.
- The MSBA has received a petition in opposition to a new high school that includes 400 signatures as well as letters supporting the project. For any agreed upon solution, the District will be responsible for educating the community on the decisions, the operational budgets, the tax impact and all other facts necessary to gain local support.

MSBA ALTERNATIVE PROPOSAL

The MSBA has met with the District, toured its facilities with its consultants and reviewed both the original feasibility study and the revised options presented by the District. Due to its concern regarding the high costs of the proposed new high school as well as the concerns noted above, the MSBA has committed the time and efforts of its architectural consultant, at its own expense, to assist the District with finding an educationally sound, cost-effective solution that could receive community support. In an effort to try to plot a course of action with the District, we have evaluated the costs and the potential grant amounts of several options, based on the preliminary information developed. We believe that the table below illustrates the key determining factor to be the need to establish what the community will support. Please note that the grant amounts appearing in the table below are for discussion purposes only, and any MSBA grant for a proposed project would be subject to further review and MSBA Board approval.

Option	Uxbridge's Proposed	Uxbridge's	MSBA's
	New Construction	Proposed	conceptual plan
	Quaker Highway	Reno/Addition	
Schools Affected	New HS & Old HS	HS, MS, ES	HS, MS, ES
Square Footage of High	123,000	125,000	125,000
School			
Estimated Total Project Costs	\$54.4 M	\$47 M	\$35 to \$38 M
Potential Reimbursement Rate	56.53%	60.87%	60.87%
with Incentive Points			
Potential Maximum MSBA	\$24 M	\$27 M	\$21 to \$23 M
Grant*	·		!
Amount to be funded solely	\$30 M	\$20 M	\$14 to \$15 M
by Uxbridge			

^{*}Assumes Estimated Total Project Costs minus scope exclusions based on preliminary information developed. For discussion purposes only; subject to further review and MSBA Board approval.

The MSBA acknowledges the efforts of the District to date to reduce its original budget for the proposed new high school at the Quaker Highway site from approximately \$51 million to \$48 million and to reduce the estimated budget for its proposed renovation option from approximately \$51 million to \$38 million. The MSBA believes, however, that is has developed a reasonable alternative to meet the District's educational program at a lower construction cost, with minimal phasing and modular requirements, and which minimizes the District's operational expenses by maintaining the three current facilities. The MSBA believes that this option provides the District with an alternative solution and further reduces Uxbridge's share of the project's costs. Although there is variation in the potential MSBA grant amount due to different reimbursement rates and scope exclusions, the substantive difference between the options is in regard to the local share.

If the MSBA were to process a recommendation to its Board of Directors to support the District's preferred solution for a new high school at the Quaker Highway site for Uxbridge, the following conditions would have to be met:

- 1) The District and its consultant team would have to commit to reducing the total project budget for the District's proposed option of a new high school on the Quaker Highway site to no more than \$350 per square foot for 123,000 square feet or no more than \$43 million.
- 2) The District would need to demonstrate that the recommendation for the preferred schematic option of a new high school on a new site is supported by affirmative votes of the Board of Selectman, the Finance Committee, the School Committee and the School Building Committee.
- 3) The District would have to hold at least three additional public meetings, subject to the open meeting law, to present the information necessary to properly inform Uxbridge residents of the process, the educational program needs, the advantages and disadvantages associated with each option, including the MSBA's proposed conceptual option, the cost to the community and the associated tax impact, a complete discussion of the operational budget required to support each option and any associated overrides or other impacts to the taxpayers. The responsibility for the information provided and the presentations are exclusively that of the District, and the MSBA would not be required to prepare and/or participate in these meetings.
- 4) After completing the public meetings, the District would put forward a non-binding referendum, by town-wide ballot vote, which would specifically ask for the community to show its support for a specific project of a specific budget with the estimated amount to be funded solely by Uxbridge.
- 5) The preferred schematic design for new construction would have to be in full compliance with the maximum allowable gross square footage, as determined by the MSBA and in accordance with the MSBA's guidelines for individual spaces.
- 6) The concept layout for the new construction would have to be submitted by the District and its Designer and reviewed and accepted by the MSBA to ensure that it supports the District's educational program, provides flexibility for multiple educational delivery methods, optimizes daylight and allows for the flexibility of future expansion.
- 7) The District would be required to follow all regulations, guidelines, policies and procedure of the MSBA.

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