

AHS Building Project - Value Engineering/Potential Cost Trade-offs

DRAFT as of 12/16/18

This is a working draft document. More detail will be added to this document over the next 60 days.

Category	Accepted?	Cost- saving Proposal	Original Space in PSR	Proposed Reduction	Proposed space after reduction	Space in AHS today	Impact of reduction on Education Program (note: further information to be provided by APS and School Committee)	MSBA-reimbursability status of space	Potential savings for AHS	Add'l costs incurred if reduced
			Net sq ft	Net sq ft	Net sq ft	Net sq ft				
PE/Athletic spaces										
		Reduce size of proposed Gymnasium	16,000	4,000	12,000	12,740	No space large enough for all school assemblies, reduced PE offerings, lose walking track	Up to 12k sf	\$3,000,000 to \$4,000,000	
		Reduce size of proposed Gymnasium	16,000	2,000	14,000	12,740	No space large enough for all school assemblies, reduced PE offerings. Walking track retained, but overlapping with basketball courts.	Up to 12k sf	\$500,000 to \$1,500,000	
		Eliminate Alternative PE Space	7,000	7,000	0	13,925	Reduced PE offerings, severe impact to gymnastics and wrestling athletic programs among others.	No		
		Reduce Alternative PE Space	7,000	2,000	5,000	13,925	Reduced PE offerings, severe impact to gymnastics and wrestling athletic programs among others.	No	\$500,000 to \$1,500,000	
		Eliminate Trainer/Laundry/Ice Space	500	500	0	515		No	\$250,000 to \$750,000	
Auditorium										
		Reduce seating from 900 to 750	9,000	1,500	7,500	5,660	Reduced attendance/income for larger, popular community events; forced to schedule 4 assembly sessions to serve entire school (higher cost for outside speakers).	up to 750 seats	\$1,500,000 to 2,500,000	
		Reduce seating from 900 to 825	9,000	750	8,250	5,660	Reduced attendance/income for larger, popular community events; forced to schedule 4 assembly sessions to serve entire school (higher cost for outside speakers).	up to 750 seats	\$750,000 to \$1,250,000	
		Reduce size of Stage	2,140	540	1,600	2,140	Reduced drama program offerings, limited spaces in town for large group concerts	up to 1,600 sf	\$250,000 to \$750,000	
Performing Arts spaces (Music, Drama)										
		Reduce size of Band room	2,500	1,000	1,500	1,500	Reduced quality of band program, inability to offer program to all students who want to participate	up to 1,500 sf	\$500,000 to \$1,500,000	
		Reduce size of Chorus room	2,500	1,000	1,500	1,320	Reduced quality of chorus program, inability to offer program to all students who want to participate	up to 1,500 sf	\$500,000 to \$1,500,000	
		Eliminate Costume storage	500	500	0	430		No	\$250,000 to \$750,000	
		Eliminate Drama classroom (Black Box Theater)	3,000	3,000	0	1,340	Reduced drama program offerings	No	\$2,000,000 to \$3,000,000	
		Reduce Size of Drama classroom (Black Box Theater)	3,000	1,500	1,500	1,340	Reduced drama program offerings	No	\$750,000 to \$1,750,000	
Classroom spaces										
		Reduce 6 classrooms from 950sf to 850 sf	5,700	600	5,100	Varies	Larger class sizes, reduced variety of work spaces for varied learning approaches.	up to 950 sf each classroom	\$250,000 to \$750,000	
		Convert 2 Science Labs to regular classrooms	24,480	1,580	22,900	13,155	Reduced science program offerings, class sizes over 25 students.	17 science labs	\$750,000 to \$1,250,000	
		Eliminate 1 Art Classroom	1,350	1,350	0	900	Reduction in art program offerings, larger class sizes.	3 art classrooms	\$1,000,000 to \$2,000,000	
Library/Learning Commons										
		Reduce Size of Library Learning Commons (aka Media Center)	12,550	1,681	10,869	9,520	Lack of flexible spaces for collaboration, small group and large group meeting space.	up to 10,869 sf	\$1,000,000 to \$2,000,000	
		Eliminate Debate & Discourse Lab	2,100	2,100	0	4,220	Reduced quality of overall education, lack of large group meeting space, lack of PD workshop space.	Yes	\$1,000,000 to \$2,000,000	
Special Education programs										
		Move Menotomy preschool offsite	16,610	16,610	0	10,260	Elimination of early childhood development course offerings; impacts to early childhood ed certification program	Pending	\$10,500,000 to \$11,500,000	Cost to renovate space

