

School Reopening Update

February 22, 2021

Building improvements scope of work

- ▶ Minimum threshold for occupancy
 - Filtration – increase to MERV-13
 - Ventilation – retro-commission air handling equipment, handle additional pressure from filters
 - CO₂ Monitoring – Ongoing quality control for ventilation
- ▶ Additional work while buildings are occupied
 - Disinfection – UV germicidal irradiation
 - Humidification – lower transmission rates
- ▶ Consistent with Harvard School of Public Health

Building completion update

- ▶ All filters & retro-commissioning inspections complete
- ▶ Identified issues
 - ▶ Maintenance items for Honeywell
 - ▶ Capital improvements
- ▶ Portable units in process
- ▶ CO₂ monitors in process
- ▶ Wellness room exhaust in process

Issue resolution

School	Grand Total	Honeywell / Maintenance Items				Capital Improvements		
		In-Scope	Closed	In Progress	On Hold	O&M Progress	Under Investigation	Total Progress
Argenziano	18	11	11			100%	7	61%
Capuano	28	26	26			100%	2	93%
East Somerville	13	13	2	11		15%		15%
Healey	61	58	55	3		95%	3	90%
Kennedy School	52	52	52			100%		100%
West Somerville	19	18	18			100%	1	95%
Winter Hill School	94	9	2		7	22%	85	2%
Grand Total	285	187	166	14	7	89%	98	58%

- ▶ Determine schedule for full resolution
- ▶ Determine use of portable filtration units to achieve goals

Construction schedule

		Ventilation & Filtration Improvements																				
Projected Completion		D	January					February				March					April				May	
Optimistic	Pessimistic	28	4	11	18	25	1	8	15	22	1	8	15	22	29	5	12	19	26	3	10	
New High School	1-Feb-21	15-Mar-21	Red	Red	Red	Red	Red	Red	Red	Red	Light Green	Light Green	Light Green	Light Green	Light Green	Dark Green	Dark Green	Dark Green	Dark Green	Dark Green	Dark Green	
Capuano School	8-Jan-21	22-Mar-21	Red	Red	Red	Red	Red	Red	Red	Red	Orange	Light Green	Light Green	Light Green	Light Green	Dark Green	Dark Green	Dark Green	Dark Green	Dark Green	Dark Green	
East Somerville	15-Feb-21	29-Mar-21	Red	Red	Red	Red	Red	Red	Red	Red	Orange	Orange	Light Green	Light Green	Light Green	Dark Green	Dark Green	Dark Green	Dark Green	Dark Green	Dark Green	
High School Mods	8-Feb-21	22-Mar-21	Red	Red	Red	Red	Red	Red	Red	Red	Light Green	Light Green	Light Green	Light Green	Light Green	Dark Green	Dark Green	Dark Green	Dark Green	Dark Green	Dark Green	
Argenziano School	15-Feb-21	29-Mar-21	Red	Red	Red	Red	Red	Red	Red	Red	Light Green	Light Green	Light Green	Light Green	Light Green	Dark Green	Dark Green	Dark Green	Dark Green	Dark Green	Dark Green	
West Somerville	15-Feb-21	29-Mar-21	Red	Red	Red	Red	Red	Red	Red	Red	Light Green	Light Green	Light Green	Light Green	Light Green	Dark Green	Dark Green	Dark Green	Dark Green	Dark Green	Dark Green	
Kennedy School	8-Mar-21	19-Apr-21	Red	Red	Red	Red	Red	Red	Red	Red	Orange	Orange	Orange	Light Green	Light Green	Dark Green	Dark Green	Dark Green	Dark Green	Dark Green	Dark Green	
Healey School	22-Mar-21	3-May-21	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Orange	Orange	Orange	Light Green	Light Green	Light Green	
Winter Hill	3-May-21	23-Aug-21	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	

Note: **Red** are definite work dates. **Orange** are likely work dates generated by known risk occurrence. **Light Green** are potential dates for occupancy with portable filtration units, barring serious issues. **Dark Green** are confident dates for occupancy.

Humidification & UV disinfection improvements may continue during occupancy.

As of **25 Jan 2021**, Significant risk has been identified/retired for many buildings.

Most unknowns remain at Healey, WHCS.

Construction schedule risk factors

- ▶ **Supply chain**
 - ▶ Constantly evolves
 - ▶ Actively managing
- ▶ **Labor force**
 - ▶ General availability
 - ▶ C-19 impacts
- ▶ **Schedule estimates**
 - ▶ Accuracy of projections
 - ▶ Quality of details
- ▶ **Design omissions**
 - ▶ Adds work
 - ▶ Higher risk given lack of detailed design
- ▶ **Unforeseen conditions**
 - ▶ Changes/Adds work
 - ▶ Higher risk given lack of detailed design
- ▶ **Complexity/Quantity of work**