

Cost Model for Repairs and Renovations

The BuildBPS 10 year FMP cost model was developed based on information obtained during the facility and educational effectiveness assessments and encompass the entire BPS portfolio of schools. Historical construction cost data was factored into the current market conditions to account for the specific cost parameters associated with the Boston market.

In order to develop this cost model for early conceptual planning where there are many unknown factors the following assumptions were made:

- Work procured will be bona fide public bid returns from no less than 3 qualified general contractors
- Chapter 149 bid process will be used for work classified as Filed Sub-bid
- Fair construction value in a competitive bidding marked based on November 2016 dollars
- Subcontractor markups are included in each unit rate. Markups cover the cost of field office overhead, home office overhead, and subcontractor's profit
- Includes markups for general conditions and requirements, overhead & profit, bonding, and insurance requirements
- Permitting costs are assumed to be paid by the city.
- Prevailing wage rates for Suffolk County as the basis for labor costs.
- Work performed under Massachusetts Amendments to the 2009 IBC, 8th Edition building code. Compliance with future building codes cannot be guaranteed.

There are also many exclusions to the cost model including the following:

- Hazardous material abatement
- Owner's construction contingency
- Owners project administration
- Architect's and Engineer's fees
- Interest expense
- Construction of temporary facilities, unless otherwise noted
- Relocation expenses
- Printing and advertising
- Furniture, fixtures, and equipment
- Utility company back charges
- Testing and Inspections
- Legal fees
- Land purchases

Definitions:

While the conceptual construction cost model makes every attempt to establish realistic costs on each school building, the cost model should not be used to derive scope of work or construction contract values for any specific repair, renovation, or program work but should serve as an "Order of magnitude" planning tool. Planning for "individual" projects or aggregated projects should proceed through the normal feasibility and investigative depth required for specific project scoping.

The model provides costs in 2 principle groupings:

Repairs:

This represents the cost(s) to repair or replace items identified as fair, poor, or deficient in the assessment reports. Building elements that do not exist currently in a building today will not have an associated value.

Renovations:

This represents the cost(s) identified in the Repairs value but factors in the costs for upgrades to building systems and structures required to meet the additional minimum costs for code associated upgrades or installation of missing systems (such as fire protection). There are threshold triggers (included below) for requiring that minimum code improvements are undertaken as a resultant of the impact of renovation work in older structures. These triggers are a relationship of construction cost for base work to the building's assessed value, or impacts on individual systems caused by the new work (an example might include structural improvements for lateral seismic upgrades in part or all of a building).

Additional description of caveats, qualifications, and allowances:

- Repairs project cost basis: based upon facility condition assessment data (including allowances for certain items).
- Repairs address some minimum identified ADA/MAAB deficiencies.
- Repairs for sites based on site condition assessment data such as fencing, lighting, hard and soft landscaping, and play space areas including playgrounds and athletic fields.
- Renovation project cost basis: costs include all remaining ADA/MAAB deficiencies. Note that where repair costs trigger a mandatory code, accessibility, energy code and seismic compliance the renovation costs must be added to the baseline repair costs in order to encapsulate the full cost of renovation.
- Model also includes an allowance for minor programmatic upgrades in line with BPS's educational vision within the existing GSF of the building. This value must be added to repair and renovation costs in order to encapsulate the full cost of renovation with potential program upgrades.
- Any school requiring the installation of an elevator has been assigned an allowance for a 2,500 pound capacity hydraulic elevator traveling 3 floors – individual projects and buildings may vary requiring additional lifts or elevators upon further analysis.
- All schools requiring resiliency measures have been provided an allowance that varies by the size of the building in order to relocate key mechanical and electrical components to an exterior or rooftop penthouse location raised above potential anticipated future sea levels.
- Allowances are allotted for play space and site ADA/MAAB issues, and other site improvements.

Threshold Provisions for Existing Buildings

Classification of Work & Work Areas (780 CMR and IEBC)

Definitions

Repairs – Repair is defined as the restoration to good or sound condition of any part of an existing building for the purpose of its maintenance (780 CMR 34-IEBC §202). Repairs include the patching or restoration or replacement of damaged materials, elements, equipment, or fixtures for the purpose of maintaining such components in good or sound condition with respect to existing load or performance requirements. Repairs must comply with the provisions of 780 CMR-IEBC §6.0 (780 CMR 34-IEBC §502.0).

Alterations – Alteration is defined as any construction or renovation to an existing structure other than a repair or an addition. Alterations are classified as Level 1, Level 2 and Level 3 as follows (780 CMR 34-IEBC §202):

Level 1 – Level 1 alterations include the removal and replacement or covering of existing materials, elements, equipment, or fixtures using new materials, elements, equipment or fixtures that serve the same purpose. Level 1 alterations must comply with the provisions of 780 CMR 34-IEBC §7.0 (780 CMR 34-IEBC §503.0).

Level 2 - Level 2 alterations include the reconfiguration of space, the addition or elimination of any door or window, the reconfiguration or extension of any system, or the installation of any additional equipment. Level 2 alterations must comply with the provisions of 780 CMR 34-IEBC §7.0 for Level 1 alterations and additionally 780 CMR 34-IEBC §8.0 (780 CMR 34-IEBC §504.0).

Level 3 – Level 3 alterations apply where the work area exceeds 50% of the aggregate area of the building and/or where required by a change of occupancy classification in accordance with 780 CMR 34-IEBC §1012.1.1. Level 3 alterations must comply with the provisions of 780 CMR 34-IEBC §7.0 and §8.0 for Levels 1 and 2 alterations and additionally 780 CMR 34-IEBC §9.0 (780 CMR 34-IEBC §505.0).

Change of Occupancy – A change of occupancy is defined as a change in the purpose or level of activity within a building that involves a change in the application of the requirements of the Code (780 CMR 34-IEBC §202). A change of occupancy may involve (780 CMR 34-IEBC §1001.1):

- Change in occupancy with no change of occupancy classification
- Change of occupancy classification or occupancy group designation
- Changes of occupancy must comply with the provisions of 780 CMR 34-IEBC §10.0 (780 CMR 34-IEBC §506.0).

Addition – Addition is defined as an extension or increase in floor area, number of stories, or height of a building or structure (780 CMR 34-IEBC §202). Additions must comply with the provisions of 780 CMR 34-IEBC §11.0 (780 CMR 34-IEBC §507.0).

Work Area – That portion or portions of a building consisting of all reconfigured spaces as indicated on the construction documents. Work area excludes other portions of the building where incidental work entailed by the intended work must be performed and portions of the building where work not initially intended by the owner is specifically required by this code (780 CMR 34-IEBC §202).

(NOTE: Not all work includes reconfiguration of space. For example, the addition or elimination of any door or window, the reconfiguration or extension of any system, or the installation of any additional equipment does not in and of itself include a Work Area.)

Accessibility Threshold (MAAB 3.3.2):

This regulation contains specific triggering thresholds when work occurs in existing buildings.

1. All work being performed must comply with 521 CMR regardless of other threshold triggers.
2. If the cost of the work exceeds \$100,000 (\$500,000 including exempt work), then an accessible entrance must be provided and where provided, an accessible restroom, an accessible drinking fountain and an accessible public telephone. In general, this threshold appears to be satisfied.
3. If the cost of the work (including work completed in the previous 36 months) exceeds 30% of the full and fair cash value not including land, then the entire building must be made compliant.

It should be noted that “change orders” and other cost increases during the execution of the work can trigger the threshold after work commencement. In other words, projects can begin with the expectation of being under the threshold, but end up exceeding it, and if that occurs compliance is required.

It should also be noted that regardless of compliance with 521 CMR, complaints may still be filed with the Department of Justice. Reasonable accommodation is expected based on student and staff needs. As a public school building with a wide range of population, at a minimum public entrances, restrooms and accessible routes to various spaces (vertical and horizontal accessible routes) should be considered a minimum need. In addition, a detailed accommodation plan should be developed to address other aspects of conformance with the intent of both 521 CMR and ADAAG.

For changes in use, even if no alteration is occurring, an accessible route is required to be provided to the new use. If an addition is made the addition must be fully compliant AND the cost of the addition is considered in the threshold analyses of the existing building.

Full compliance includes:

- All entrances,
- All levels must be provided with accessible routes,
- All public bathrooms must be made accessible (this could in turn triggers plumbing code compliance),
- All stairway handrails and nosings must be brought into compliance,
- All transaction counters must be made compliant, and
- Many more detail items addressed by 521 CMR will require upgrades.

Enhanced Sprinklers (Massachusetts General Law Chapter 148 Section 26G):

<https://malegislature.gov/Laws/GeneralLaws/PartI/TitleXX/Chapter148/Section26G>

Section 26G: Automatic sprinkler systems required for buildings and structures totaling more than 7,500 gross square feet

Section 26G. Every building or structure, including any additions or major alterations thereto, which totals, in the aggregate, more than 7,500 gross square feet in floor area shall be protected throughout with an adequate system of automatic sprinklers in accordance with the provisions of the state building code. No such sprinkler system shall be required unless sufficient water and water pressure exists. For purposes of this section, the gross square footage of a building or structure shall include the sum total of the combined floor areas for all floor levels, basements, sub-basements and additions, in the aggregate, measured from the outside walls, irrespective of the existence of interior fire resistive walls, floors and ceilings.

Whoever is aggrieved by the head of the fire department's interpretation, order, requirement, direction or failure to act under the provisions of this section, may, within forty-five days after the service of notice thereof, appeal from such interpretation, order, requirement, direction or failure to act to the automatic sprinkler appeals board as provided in section two hundred and one of chapter six. The board may grant a reasonable waiver from the provisions of this section, or may allow the installation of a reasonable alternative or modified system of automatic sprinklers upon reviewing the characteristics of buildings that have architectural or historical significance.

Under substantial alteration, the law considers both the nature of the work and the extent of the work to determine whether sprinklers must be installed throughout the building. A two part test is used:

Part A considers the nature of the work and whether it provides the opportunity to install sprinklers (i.e. ceilings being removed, spaces being altered, etc.).

Part B considers the extent of the work by reviewing the area of the work and the cost of the work. If either, the area of work is 33% or more of the building area or the cost of work is 33% or more of the assessed value of the building, then Part B is satisfied. The review of the Part B considerations may include work completed in the last 5 years. Ultimately, the head of the fire department has the determination on whether MGL Ch. 148 S 26G will be imposed.

Plumbing Code Triggers (248 CMR State Plumbing Code):

The plumbing code is only triggered when:

1. Maintenance is needed to the plumbing systems or
2. Work to plumbing systems is made necessary to comply with other codes (i.e. 521 CMR).

As always, any work undertaken voluntarily to plumbing systems also still must comply. Once applicable, the code affords a good deal of latitude to the plumbing inspector in terms of the scope of application. Under a change in use, if the new use results in a higher occupant load or one with differing fixture factors, additional plumbing facilities may be required. Under an addition, new plumbing facilities are required unless it can be demonstrated the existing facilities provide compliant fixture counts for the existing and new areas.

School Name	Typology	Population	Assessed Building Value	Compliance Trigger	Building Repair	Site Repair	Renovation	Resiliency	Program Upgrades	Total
Adams, Samuel Elementary	Elementary School	302	\$ 4,312,200	\$ 1,293,660	\$ 4,843,849.23	\$ 365,321.96	\$ 1,769,910.77	\$ -	\$ 1,984,128.00	\$ 14,172,381.14
Alighieri, Dante Montessori School	Elementary School	90	\$ 1,755,100	\$ 526,530	\$ 1,376,604.73	\$ 132,583.00	\$ 1,335,075.27	\$ 250,000.00	\$ 813,504.00	\$ 5,416,954.74
Another Course to College	High School	237	\$ 22,813,400	\$ 6,844,020	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Baldwin Early Learning Pilot Academy	Early Learning	142	\$ 5,612,600	\$ 1,683,780	\$ 1,817,651.57	\$ 32,965.97	\$ -	\$ -	\$ 545,295.47	\$ 4,246,530.56
Bates, Phineas Elementary	Elementary School	297	\$ 3,382,000	\$ 1,014,600	\$ 3,613,677.92	\$ 284,048.30	\$ 856,082.08	\$ -	\$ 1,340,928.00	\$ 9,992,462.53
Beethoven, Ludwig Van Elementary	Elementary School	342	\$ 4,346,500	\$ 1,303,950	\$ 1,292,405.12	\$ 236,177.32	\$ 4,699,914.88	\$ -	\$ 1,797,696.00	\$ 9,554,775.76
Blackstone, William Elementary	Elementary School	595	\$ -	\$ -	\$ 8,756,107.35	\$ 257,078.77	\$ 22,325,492.65	\$ 750,000.00	\$ 9,324,480.00	\$ 50,426,344.89
Boston Adult Technical Academy	High School	170	\$ 4,174,700	\$ 1,252,410	\$ 1,380,853.16	\$ 211,765.29	\$ 1,706,146.84	\$ 250,000.00	\$ 926,100.00	\$ 6,067,483.75
Boston Arts Academy	High School	437	\$ 16,647,400	\$ 4,994,220	\$ 3,605,156.55	\$ 205,200.00	\$ 10,314,518.45	\$ 400,000.00	\$ 4,175,902.50	\$ 22,511,134.05
Boston Community Leadership Academy	High School	506	\$ 22,760,300	\$ 6,828,090	\$ 5,594,288.62	\$ 273,743.52	\$ 27,841,211.39	\$ -	\$ 10,030,650.00	\$ 49,607,925.65
Boston Day & Evening Academy	High School	400	\$ 5,433,900	\$ 1,630,170	\$ 3,684,886.11	\$ 305,704.21	\$ 6,001,538.90	\$ -	\$ 2,905,927.50	\$ 16,888,647.02
Boston Green Academy	High School	437	\$ 22,813,400	\$ 6,844,020	\$ 9,367,031.03	\$ 230,159.59	\$ 17,344,968.97	\$ -	\$ 8,013,600.00	\$ 44,552,950.21
Boston International High	High School	375	\$ 6,168,500	\$ 1,850,550	\$ 9,369,107.72	\$ 329,380.74	\$ 8,703,492.28	\$ -	\$ 5,421,780.00	\$ 33,522,249.20
Boston Latin Academy	High School	1718	\$ 20,641,600	\$ 6,192,480	\$ 21,066,630.71	\$ 431,654.88	\$ 35,666,269.29	\$ -	\$ 17,019,870.00	\$ 95,682,710.47
Boston Latin School	High School	2439	\$ -	\$ -	\$ 14,816,332.10	\$ 311,995.71	\$ 44,049,817.90	\$ 750,000.00	\$ 17,659,845.00	\$ 92,716,318.52
Boston Teachers Union K-8 School	K-8	326	\$ 3,659,500	\$ 1,097,850	\$ 1,364,561.90	\$ 323,840.56	\$ 4,969,198.10	\$ -	\$ 1,900,128.00	\$ 10,246,131.01
Bradley, Manassah E. Elementary	Elementary School	309	\$ 2,839,000	\$ 851,700	\$ 3,536,679.27	\$ 175,939.85	\$ 1,763,800.73	\$ -	\$ 1,590,144.00	\$ 10,779,182.97
Brighton High	High School	931	\$ 22,813,400	\$ 6,844,020	\$ 16,632,648.36	\$ 831,345.82	\$ 21,204,626.64	\$ -	\$ 11,351,182.50	\$ 67,483,797.50
Burke, Jeremiah E. High	High School	532	\$ 17,918,452	\$ 5,375,536	\$ 14,493,901.30	\$ 240,111.19	\$ 20,909,298.70	\$ -	\$ 10,620,960.00	\$ 60,998,283.69
Carter Development Center	Special	28	\$ 3,099,600	\$ 929,880	\$ 1,547,430.53	\$ 257,382.28	\$ 625,849.47	\$ 250,000.00	\$ 651,984.00	\$ 5,137,459.10
Channing, William E. Elementary	Elementary School	292	\$ 3,824,200	\$ 1,147,260	\$ 2,623,510.50	\$ 260,378.12	\$ 2,589,609.50	\$ -	\$ 1,563,936.00	\$ 9,921,322.73
Charlestown High	High School	958	\$ 33,161,700	\$ 9,948,510	\$ 10,106,162.74	\$ 205,200.00	\$ 29,587,687.26	\$ 750,000.00	\$ 11,908,155.00	\$ 62,868,567.74
Chittick, James J. Elementary	Elementary School	310	\$ 1,192,400	\$ 357,720	\$ 5,234,307.41	\$ 170,613.86	\$ 2,557,212.59	\$ -	\$ 2,337,456.00	\$ 15,704,511.12
Clap Innovation School	Elementary School	158	\$ 3,196,600	\$ 958,980	\$ 2,506,616.30	\$ 122,078.78	\$ 2,205,063.70	\$ -	\$ 1,413,504.00	\$ 8,875,957.85
Community Academy	High School	40	\$ 2,276,400	\$ 682,920	\$ 3,431,332.29	\$ 301,612.62	\$ 49,242.71	\$ -	\$ 1,044,172.50	\$ 8,559,305.03
Community Academy of Science & Health	High School	414	\$ 12,438,400	\$ 3,731,520	\$ 6,461,889.70	\$ 278,508.20	\$ 8,576,735.31	\$ -	\$ 4,511,587.50	\$ 26,569,118.60
Condon, James F. Elementary	Elementary School	837	\$ 20,747,406	\$ 6,224,222	\$ 8,106,654.25	\$ 187,924.42	\$ 14,361,505.75	\$ 750,000.00	\$ 6,740,448.00	\$ 38,441,111.09
Conley, George H. Elementary	Elementary School	220	\$ 2,863,600	\$ 859,080	\$ 2,510,970.15	\$ 376,379.81	\$ 1,533,989.85	\$ -	\$ 1,213,488.00	\$ 8,522,177.77
Curley K-8 (Lower School)	K-8	632	\$ -	\$ -	\$ 3,808,610.18	\$ 895,851.54	\$ 1,702,589.82	\$ -	\$ 1,653,360.00	\$ 12,764,873.26
Curley K-8 (Upper School)	K-8	263	\$ 14,611,500	\$ 4,383,450	\$ 10,108,377.64	\$ 712,975.56	\$ 9,440,902.36	\$ -	\$ 5,864,784.00	\$ 36,948,392.77
Dearborn STEM Academy - (In Construction)	High School	386	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Dever, Paul A. Elementary	Elementary School	498	\$ 7,386,300	\$ 2,215,890	\$ 13,828,404.18	\$ 1,369,800.86	\$ 6,977,355.82	\$ 750,000.00	\$ 6,241,728.00	\$ 44,365,493.90
Dickerman Elementary	Elementary School		\$ 3,563,000	\$ 1,068,900	\$ 2,299,270.64	\$ 175,810.16	\$ 2,284,729.36	\$ -	\$ 1,375,200.00	\$ 8,610,090.97
Dorchester Academy	High School	69	\$ 12,438,400	\$ 3,731,520	\$ 6,461,889.70	\$ 278,508.20	\$ 8,576,735.31	\$ -	\$ 4,511,587.50	\$ 26,569,118.60
Dudley Street Neighborhood School	Elementary School	265	\$ 2,405,600	\$ 721,680	\$ 2,945,521.28	\$ 262,587.76	\$ 195,118.72	\$ -	\$ 942,192.00	\$ 7,553,528.81
East Boston Early Education Center	Early Learning	173	\$ 1,755,100	\$ 526,530	\$ 1,680,911.41	\$ 113,622.67	\$ -	\$ 250,000.00	\$ 504,273.42	\$ 4,343,341.60
East Boston High	High School	1495	\$ -	\$ -	\$ 14,566,653.94	\$ 414,813.13	\$ 31,509,296.06	\$ -	\$ 13,822,785.00	\$ 75,295,015.21
Edison, Thomas A. K-8	K-8	765	\$ 20,523,600	\$ 6,157,080	\$ 7,387,846.60	\$ 655,222.09	\$ 8,692,153.40	\$ -	\$ 4,824,000.00	\$ 29,602,290.78
Edwards, Clarence R. Middle	Middle School	366	\$ -	\$ -	\$ 5,349,620.93	\$ 234,223.60	\$ 7,715,179.07	\$ 750,000.00	\$ 3,919,440.00	\$ 23,552,308.13
Eliot, John K-8 (Lower School)	K-8	190	\$ 7,076,200	\$ 2,122,860	\$ 3,414,972.84	\$ 305,200.00	\$ 2,121,507.16	\$ -	\$ 1,660,944.00	\$ 11,222,796.84
Eliot, John K-8 (Upper School)	K-8	327	\$ 4,259,000	\$ 1,277,700	\$ 1,814,972.69	\$ 332,223.40	\$ 4,472,067.31	\$ 250,000.00	\$ 1,886,112.00	\$ 10,902,571.49
Eliot, John K-8 (Upper School) - (In Construction)	K-8		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Ellis, David A. Elementary	Elementary School	444	\$ 3,549,600	\$ 1,064,880	\$ 5,882,808.66	\$ 439,472.47	\$ 2,296,871.34	\$ -	\$ 2,453,904.00	\$ 17,395,337.60
Ellison/Parks Early Education School	Early Learning	189	\$ 7,130,900	\$ 2,139,270	\$ 434,100.00	\$ -	\$ -	\$ -	\$ 130,230.00	\$ 998,430.00
Endicott	Elementary School		\$ 2,705,800	\$ 811,740	\$ 2,280,237.45	\$ 167,639.30	\$ 1,169,362.55	\$ -	\$ 1,034,880.00	\$ 7,099,996.05

School Name	Typology	Population	Assessed Building Value	Compliance Trigger	Building Repair	Site Repair	Renovation	Resiliency	Program Upgrades	Total
English High, The	High School	586	\$ 24,414,700	\$ 7,324,410	\$ 16,714,381.37	\$ 482,188.01	\$ 22,758,618.63	\$ -	\$ 11,841,900.00	\$ 68,993,657.38
Everett, Edwards Elementary	Elementary School	275	\$ -	\$ -	\$ 4,368,583.00	\$ 174,923.96	\$ 532,857.00	\$ -	\$ 1,470,432.00	\$ 11,090,302.93
Excel High	High School	519	\$ 23,473,500	\$ 7,042,050	\$ 13,581,948.39	\$ 290,051.25	\$ 16,869,161.61	\$ -	\$ 9,135,333.00	\$ 53,748,493.89
Fenway High	High School	337	\$ 10,318,500	\$ 3,095,550	\$ 1,763,780.45	\$ 292,680.42	\$ 9,786,219.55	\$ -	\$ 3,465,000.00	\$ 17,364,141.29
Frederick, Lilla G. Middle	Middle School	552	\$ 6,249,895	\$ 1,874,969	\$ 2,933,585.89	\$ 228,690.88	\$ 20,107,694.11	\$ -	\$ 6,912,384.00	\$ 33,344,631.65
Gardner Pilot Academy K-8	K-8	368	\$ 10,136,500	\$ 3,040,950	\$ 3,481,566.65	\$ 349,935.33	\$ 5,989,793.35	\$ -	\$ 2,841,408.00	\$ 16,494,205.30
Greater Egleston Community High	High School	182	\$ -	\$ -	\$ 367,000.00	\$ 251,445.17	\$ 1,628,000.00	\$ -	\$ 598,500.00	\$ 3,463,390.34
Greenwood, Elihu Leadership Academy	Elementary School		\$ 4,305,500	\$ 1,291,650	\$ 2,524,266.39	\$ 267,734.65	\$ 5,656,213.61	\$ -	\$ 2,454,144.00	\$ 13,694,359.68
Greenwood, Sarah K-8	K-8	414	\$ 5,597,500	\$ 1,679,250	\$ 3,923,030.76	\$ 366,852.73	\$ 5,429,289.24	\$ -	\$ 2,805,696.00	\$ 16,814,752.23
Grew, Henry Elementary	Elementary School	262	\$ 2,508,000	\$ 752,400	\$ 3,125,663.11	\$ 196,280.25	\$ 2,028,896.89	\$ -	\$ 1,546,368.00	\$ 10,219,151.62
Guild, Curtis Elementary	Elementary School	338	\$ -	\$ -	\$ 3,028,696.26	\$ 146,599.50	\$ 2,111,623.75	\$ 250,000.00	\$ 1,542,096.00	\$ 10,254,311.25
Hale, Nathan Elementary	Elementary School	169	\$ 2,731,400	\$ 819,420	\$ 2,474,242.45	\$ 264,799.84	\$ 1,565,457.55	\$ -	\$ 1,211,910.00	\$ 8,255,452.13
Haley K - 8, Dennis	K-8	452	\$ 4,851,500	\$ 1,455,450	\$ 1,928,026.32	\$ 438,409.40	\$ 4,310,853.68	\$ -	\$ 1,871,664.00	\$ 10,915,389.11
Hamilton, Alexander	Elementary School		\$ 5,851,900	\$ 1,755,570	\$ 3,458,241.56	\$ 198,803.41	\$ 1,592,958.44	\$ -	\$ 1,515,360.00	\$ 10,422,408.37
Harvard/Kent Elementary	Elementary School	520	\$ 9,943,400	\$ 2,983,020	\$ 8,026,344.45	\$ 226,207.69	\$ 6,909,655.55	\$ 750,000.00	\$ 4,480,800.00	\$ 28,645,559.83
Haynes Early Education Center	Early Learning	175	\$ -	\$ -	\$ 852,049.49	\$ 61,425.78	\$ -	\$ -	\$ 255,614.85	\$ 2,082,565.37
Henderson, Dr. William W. Inclusion (Lower School)	Special	217	\$ 3,870,700	\$ 1,161,210	\$ 4,810,243.82	\$ 212,632.98	\$ 50,716.18	\$ -	\$ 1,458,288.00	\$ 11,554,757.79
Henderson, Dr. William W. Inclusion (Upper School)	Special	431	\$ -	\$ -	\$ 13,706,463.14	\$ 359,362.00	\$ 1,834,336.86	\$ -	\$ 4,662,240.00	\$ 34,628,227.14
Hennigan, James W. K-8	K-8	624	\$ 26,071,900	\$ 7,821,570	\$ 7,087,771.07	\$ 661,403.09	\$ -	\$ -	\$ 2,126,331.32	\$ 17,624,679.65
Hernandez, Rafael K-8	K-8	399	\$ 3,115,400	\$ 934,620	\$ 571,565.00	\$ 300,000.00	\$ 9,718,515.00	\$ -	\$ 3,087,024.00	\$ 14,548,669.00
Higginson Elementary	Elementary School	186	\$ 2,099,300	\$ 629,790	\$ 3,072,975.08	\$ 216,078.22	\$ 601,904.92	\$ -	\$ 1,102,464.00	\$ 8,282,475.53
Higginson/Lewis K-8	K-8	406	\$ 6,561,300	\$ 1,968,390	\$ 7,338,703.95	\$ 488,357.97	\$ 4,856,496.05	\$ -	\$ 3,658,560.00	\$ 24,169,179.88
Holmes, Oliver Wendell Elementary	Elementary School	367	\$ 9,139,700	\$ 2,741,910	\$ 5,495,209.40	\$ 151,727.48	\$ 4,149,590.60	\$ -	\$ 2,893,440.00	\$ 18,336,904.35
Horace Mann School for the Deaf and Hard of Hearing	Special	101	\$ 30,852,800	\$ 9,255,840	\$ 10,921,551.22	\$ 450,484.44	\$ 21,690,928.78	\$ -	\$ 9,783,744.00	\$ 54,218,744.09
Hurley, Joseph K-8	K-8	346	\$ 6,004,200	\$ 1,801,260	\$ 3,486,543.87	\$ 377,788.85	\$ 3,150,096.13	\$ 400,000.00	\$ 1,990,992.00	\$ 13,269,753.57
Irving, Washington Middle	Middle School	380	\$ 12,133,500	\$ 3,640,050	\$ 6,109,578.64	\$ 466,907.44	\$ 11,550,741.36	\$ -	\$ 5,298,096.00	\$ 30,001,809.52
Jackson/Mann K-8	K-8	775	\$ 30,852,800	\$ 9,255,840	\$ 10,921,551.22	\$ 450,484.44	\$ 21,690,928.78	\$ -	\$ 9,783,744.00	\$ 54,218,744.09
Kennedy, Edward M. Academy for Health Careers 11-12	High School	184	\$ 829,400	\$ 248,820	\$ 354,650.00	\$ 205,200.00	\$ 1,208,100.00	\$ 250,000.00	\$ 468,825.00	\$ 3,046,625.00
Kennedy, Edward M. Academy for Health Careers 9-10	High School	159	\$ 6,094,400	\$ 1,828,320	\$ 2,269,785.13	\$ 227,564.67	\$ 3,864,839.87	\$ 250,000.00	\$ 1,840,387.50	\$ 10,949,926.97
Kennedy, John F Elementary	Elementary School	394	\$ -	\$ -	\$ 5,745,732.05	\$ 117,069.13	\$ 2,125,307.95	\$ -	\$ 2,361,312.00	\$ 16,212,222.31
Kennedy, Patrick Elementary	Elementary School	302	\$ 2,787,900	\$ 836,370	\$ 3,437,722.36	\$ 298,052.99	\$ 896,037.64	\$ 250,000.00	\$ 1,300,128.00	\$ 9,917,716.35
Kenny, Thomas J. Elementary	Elementary School	312	\$ 4,834,200	\$ 1,450,260	\$ 3,498,339.03	\$ 181,025.67	\$ 2,514,140.97	\$ -	\$ 1,803,744.00	\$ 11,676,614.37
Kilmer, Joyce K-8 (Lower School)	K-8	243	\$ 3,438,300	\$ 1,031,490	\$ 2,727,579.45	\$ 392,787.25	\$ 1,283,300.55	\$ -	\$ 1,203,264.00	\$ 8,727,297.95
Kilmer, Joyce K-8 (Upper School)	K-8	195	\$ 2,773,300	\$ 831,990	\$ 2,201,762.56	\$ 354,594.47	\$ 421,277.44	\$ -	\$ 786,912.00	\$ 6,320,903.49
King, Martin Luther, Jr K-8	K-8	497	\$ 9,448,000	\$ 2,834,400	\$ 9,287,610.59	\$ 316,519.44	\$ 8,866,309.41	\$ -	\$ 5,446,176.00	\$ 33,520,745.46
Lee Academy at the Fifield	Early Learning	196	\$ 3,850,900	\$ 1,155,270	\$ 3,138,313.57	\$ 31,279.84	\$ -	\$ -	\$ 941,494.07	\$ 7,280,680.89
Lee, Joseph K-8	K-8	629	\$ 15,843,700	\$ 4,753,110	\$ 9,679,343.49	\$ 397,576.69	\$ 14,874,256.51	\$ -	\$ 7,366,080.00	\$ 42,394,176.88
Lyndon, Patrick K-8	K-8	552	\$ 11,004,700	\$ 3,301,410	\$ 6,248,772.31	\$ 341,925.59	\$ 8,691,067.70	\$ -	\$ 4,481,952.00	\$ 26,354,415.49
Lyon, Mary High	Special	131	\$ 7,180,200	\$ 2,154,060	\$ 3,786,033.11	\$ 262,091.49	\$ 3,784,206.89	\$ -	\$ 2,271,072.00	\$ 14,151,528.08
Lyon, Mary K-8	Special	137	\$ 1,887,300	\$ 566,190	\$ 1,791,356.49	\$ 270,850.62	\$ 342,403.51	\$ -	\$ 640,128.00	\$ 5,106,945.74
Madison Park Technical Vocational High	High School	21-Jun	\$ 123,415,300	\$ 37,024,590	\$ 4,840,510.00	\$ 200,000.00	\$ 155,827,340.00	\$ -	\$ 48,200,355.00	\$ 214,108,715.00
Manning, Joseph P. Elementary	Elementary School	162	\$ 2,161,100	\$ 648,330	\$ 1,944,136.66	\$ 323,877.14	\$ 838,423.34	\$ -	\$ 834,768.00	\$ 6,209,218.94
Mason, Samuel W. Elementary	Elementary School	231	\$ 4,035,000	\$ 1,210,500	\$ 3,169,120.57	\$ 263,559.31	\$ 1,253,599.43	\$ 250,000.00	\$ 1,326,816.00	\$ 9,695,775.19
Mather Elementary	Elementary School	601	\$ 6,990,100	\$ 2,097,030	\$ 6,509,993.73	\$ 257,425.99	\$ 5,805,846.27	\$ -	\$ 3,694,752.00	\$ 23,035,437.70
Mattahunt Elementary	Elementary School	616	\$ -	\$ -	\$ 7,346,913.66	\$ 1,032,694.77	\$ 20,017,086.34	\$ -	\$ 8,209,200.00	\$ 44,985,503.19

School Name	Typology	Population	Assessed Building Value	Compliance Trigger	Building Repair	Site Repair	Renovation	Resiliency	Program Upgrades	Total
McCormack, John W Middle	Middle School	519	\$ 13,543,600	\$ 4,063,080	\$ 9,943,946.33	\$ 571,290.16	\$ 27,596,053.67	\$ 750,000.00	\$ 11,262,000.00	\$ 60,638,526.66
McKay, Donald K-8	K-8	690	\$ 17,056,300	\$ 5,116,890	\$ 6,584,044.29	\$ 587,388.72	\$ 6,069,075.71	\$ 400,000.00	\$ 3,795,936.00	\$ 24,607,877.72
McKinley Middle	Special	98	\$ 4,308,400	\$ 1,292,520	\$ 2,257,269.10	\$ 325,067.46	\$ 510,570.90	\$ 250,000.00	\$ 830,352.00	\$ 6,755,596.01
McKinley, Wm So. End Academy	Special	63	\$ 15,066,800	\$ 4,520,040	\$ 7,187,603.09	\$ 214,595.84	\$ 5,333,676.91	\$ 400,000.00	\$ 3,756,384.00	\$ 24,294,458.77
McKinley, Wm. Preparatory High	Special	193	\$ 3,796,200	\$ 1,138,860	\$ 349,095.00	\$ 200,000.00	\$ 2,821,945.00	\$ 250,000.00	\$ 951,312.00	\$ 5,121,447.00
Mendell, Ellis Elementary	Elementary School	232	\$ 3,115,400	\$ 934,620	\$ 2,670,713.83	\$ 123,387.78	\$ 2,420,486.17	\$ -	\$ 1,527,360.00	\$ 9,536,049.40
Mildred Avenue K-8	K-8	421	\$ 7,364,906	\$ 2,209,472	\$ 4,190,296.44	\$ 317,385.81	\$ 30,064,583.56	\$ -	\$ 10,276,464.00	\$ 49,356,412.06
Mission Hill K-8	K-8	227	\$ 11,731,500	\$ 3,519,450	\$ 1,743,658.80	\$ 486,459.72	\$ 7,488,341.20	\$ -	\$ 2,769,600.00	\$ 14,718,178.23
Mozart, Wolfgang A. Elementary	Elementary School	176	\$ 1,408,500	\$ 422,550	\$ 2,174,552.75	\$ 177,801.97	\$ 425,127.25	\$ -	\$ 779,904.00	\$ 5,909,740.68
Muniz, Margarita Academy	High School	302	\$ 11,731,500	\$ 3,519,450	\$ 1,743,658.80	\$ 486,459.72	\$ 7,488,341.20	\$ -	\$ 2,769,600.00	\$ 14,718,178.23
Murphy, Richard K-8	K-8	917	\$ -	\$ -	\$ 11,949,849.34	\$ 397,709.02	\$ 11,657,830.66	\$ 750,000.00	\$ 7,082,304.00	\$ 44,185,251.38
New Mission High	High School	319	\$ 22,760,300	\$ 6,828,090	\$ 5,594,288.62	\$ 273,743.52	\$ 27,841,211.39	\$ -	\$ 10,030,650.00	\$ 49,607,925.65
Newcomers Academy	High School		\$ 6,168,500	\$ 1,850,550	\$ 9,369,107.72	\$ 329,380.74	\$ 8,703,492.28	\$ -	\$ 5,421,780.00	\$ 33,522,249.20
O'Bryant, John D. School of Mathematics & Science	High School	1428	\$ 123,415,300	\$ 37,024,590	\$ 18,338,923.57	\$ 996,437.36	\$ 16,301,101.44	\$ -	\$ 10,392,007.50	\$ 65,363,830.78
O'Donnell, Hugh R. Elementary	Elementary School	295	\$ -	\$ -	\$ 3,205,690.88	\$ 133,308.92	\$ 1,107,709.12	\$ -	\$ 1,294,020.00	\$ 9,079,728.73
Ohrenberger, William H. K-8	K-8	629	\$ 7,808,900	\$ 2,342,670	\$ 6,519,383.20	\$ 2,485,132.69	\$ 11,335,336.80	\$ -	\$ 5,356,416.00	\$ 34,700,784.58
Orchard Gardens K-8	K-8	844	\$ 16,792,300	\$ 5,037,690	\$ 3,007,734.51	\$ 312,028.43	\$ 19,691,785.49	\$ -	\$ 6,809,856.00	\$ 33,141,167.38
Otis, James Elementary	Elementary School	402	\$ 4,166,500	\$ 1,249,950	\$ 3,823,666.17	\$ 115,415.30	\$ 1,776,333.83	\$ 250,000.00	\$ 1,680,000.00	\$ 11,584,496.76
Perkins, Michael J. Elementary	Elementary School	230	\$ -	\$ -	\$ 2,941,963.60	\$ 144,209.07	\$ 1,603,156.40	\$ 250,000.00	\$ 1,363,536.00	\$ 9,389,037.75
Perry, Oliver Hazard K-8	K-8	232	\$ 2,892,500	\$ 867,750	\$ 3,748,443.15	\$ 389,922.09	\$ 2,450,596.85	\$ 250,000.00	\$ 1,859,712.00	\$ 12,837,039.34
Philbrick, John D. Elementary	Elementary School	165	\$ 2,043,300	\$ 612,990	\$ 2,428,789.29	\$ 147,721.91	\$ 688,010.71	\$ -	\$ 935,040.00	\$ 6,776,073.11
Quincy, Josiah Elementary	Elementary School	789	\$ 14,850,900	\$ 4,455,270	\$ 18,341,080.24	\$ 125,458.40	\$ 15,591,559.76	\$ 750,000.00	\$ 10,179,792.00	\$ 63,454,429.04
Quincy, Josiah Elementary (Modulars)	Elementary School	796	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Quincy, Josiah Upper School	High School	497	\$ -	\$ -	\$ 651,820.00	\$ 200,000.00	\$ 13,411,880.00	\$ -	\$ 4,219,110.00	\$ 19,334,630.00
Rogers Middle School	Middle School		\$ 7,093,700	\$ 2,128,110	\$ 9,451,371.74	\$ 394,707.59	\$ 7,929,748.26	\$ -	\$ 5,214,336.00	\$ 32,836,242.92
Roosevelt, Franklin D. K-8 (Lower School)	K-8	128	\$ 1,301,200	\$ 390,360	\$ 735,316.50	\$ 305,869.47	\$ 2,351,403.50	\$ -	\$ 926,016.00	\$ 5,359,791.44
Roosevelt, Franklin D. K-8 (Upper School)	K-8	330	\$ -	\$ -	\$ 1,143,704.89	\$ 317,204.97	\$ 3,875,495.11	\$ -	\$ 1,505,760.00	\$ 8,303,074.82
Russell, William E. Elementary	Elementary School	402	\$ -	\$ -	\$ 6,004,171.19	\$ 229,459.74	\$ 2,569,428.81	\$ -	\$ 2,572,080.00	\$ 17,608,770.67
Shaw, Pauline A. Elementary	Elementary School	160	\$ 4,035,000	\$ 1,210,500	\$ 2,688,230.45	\$ 183,145.80	\$ 2,544,729.55	\$ -	\$ 1,569,888.00	\$ 9,857,370.05
Snowden International School at Copley	High School	373	\$ 7,344,800	\$ 2,203,440	\$ 432,000.00	\$ 200,000.00	\$ 5,938,000.00	\$ 250,000.00	\$ 1,911,000.00	\$ 9,363,000.00
Stone, Lucy Elementary	Elementary School		\$ 2,063,900	\$ 619,170	\$ 2,133,483.16	\$ 185,686.97	\$ 1,591,476.84	\$ -	\$ 1,117,488.00	\$ 7,347,305.10
Sumner, Charles Elementary	Elementary School	540	\$ 4,893,600	\$ 1,468,080	\$ 4,132,927.38	\$ 151,625.26	\$ 3,723,872.62	\$ -	\$ 2,357,040.00	\$ 14,650,017.89
Taylor, Charles H. Elementary	Elementary School	508	\$ 1,957,600	\$ 587,280	\$ 4,506,311.41	\$ 181,250.79	\$ 3,446,008.59	\$ -	\$ 2,385,696.00	\$ 15,206,828.98
TechBoston Academy	High School	982	\$ -	\$ -	\$ 20,023,352.62	\$ 612,969.17	\$ 12,095,097.38	\$ -	\$ 9,635,535.00	\$ 63,003,275.96
Timilty, James P. Middle	Middle School	432	\$ 4,992,873	\$ 1,497,862	\$ 8,466,193.11	\$ 306,647.94	\$ 6,079,806.89	\$ -	\$ 4,363,800.00	\$ 27,989,288.99
Tobin, Maurice J. K-8	K-8	453	\$ 7,171,900	\$ 2,151,570	\$ 5,466,630.20	\$ 318,211.68	\$ 4,787,929.80	\$ -	\$ 3,076,368.00	\$ 19,433,981.56
Trotter, William Monroe K-8	K-8	511	\$ -	\$ -	\$ 5,458,452.49	\$ 648,698.70	\$ 7,277,547.51	\$ -	\$ 3,820,800.00	\$ 23,312,649.88
Tynan, Joseph P. Elementary	Elementary School	342	\$ 14,762,000	\$ 4,428,600	\$ 7,734,497.55	\$ 226,433.31	\$ 11,465,502.45	\$ -	\$ 5,760,000.00	\$ 33,147,364.18
Umana Academy, Mario K-8	K-8	837	\$ 14,286,900	\$ 4,286,070	\$ 17,288,202.97	\$ 1,467,564.77	\$ 13,511,797.04	\$ 750,000.00	\$ 9,240,000.00	\$ 61,013,332.51
UP Academy Boston	Middle School	480	\$ -	\$ -	\$ 7,734,977.36	\$ 279,194.80	\$ 9,606,942.64	\$ -	\$ 5,202,576.00	\$ 30,837,862.96
UP Academy Dorchester	K-8	671	\$ 41,758,400	\$ 12,527,520	\$ 13,445,253.93	\$ 790,694.70	\$ 9,129,306.08	\$ -	\$ 6,772,368.00	\$ 44,373,571.32
UP Academy Holland	Elementary School	753	\$ 11,905,800	\$ 3,571,740	\$ 6,315,303.05	\$ 329,011.58	\$ 15,624,696.95	\$ -	\$ 6,582,000.00	\$ 35,495,326.21
Urban Science Academy	High School	497	\$ 26,425,700	\$ 7,927,710	\$ 17,525,497.36	\$ 1,132,988.42	\$ 21,276,902.64	\$ -	\$ 11,640,720.00	\$ 70,234,594.21
Warren/Prescott K-8	K-8	545	\$ 9,139,700	\$ 2,741,910	\$ 6,072,734.38	\$ 375,129.33	\$ 3,420,065.62	\$ -	\$ 2,847,840.00	\$ 19,163,633.04
West Roxbury Academy	High School	529	\$ 26,425,700	\$ 7,927,710	\$ 17,525,497.36	\$ 1,132,988.42	\$ 21,276,902.64	\$ -	\$ 11,640,720.00	\$ 70,234,594.21

School Name	Typology	Population	Assessed Building Value	Compliance Trigger	Building Repair	Site Repair	Renovation	Resiliency	Program Upgrades	Total
West Zone Early Learning Center	Early Learning	93	\$ 26,071,900	\$ 7,821,570	\$ 7,087,771.07	\$ 661,403.09	\$ -	\$ -	\$ 2,126,331.32	\$ 17,624,679.65
Winship, F. Lyman Elementary	Elementary School	258	\$ 7,485,100	\$ 2,245,530	\$ 3,841,019.16	\$ 189,536.29	\$ 3,336,780.84	\$ -	\$ 2,153,340.00	\$ 13,551,231.75
Winthrop, John Elementary	Elementary School	349	\$ -	\$ -	\$ 4,507,384.20	\$ 145,948.78	\$ 1,977,415.80	\$ -	\$ 1,945,440.00	\$ 13,229,521.75
Young Achievers Science & Math K-8	K-8	542	\$ 5,349,600	\$ 1,604,880	\$ 8,800,747.33	\$ 720,730.85	\$ 10,550,292.67	\$ -	\$ 5,805,312.00	\$ 35,398,561.02
Totals					\$ 734,039,527.48	\$ 44,957,834.65	\$ 1,112,074,964.63	\$ 13,850,000.00	\$ 553,834,347.63	\$ 3,237,754,036.51

Indicates duplicate info.