

Information as of:

Estimated Construction & Total Project Cost Data at Schematic Design [ON OR AFTER JANUARY 1, 2014]

High Schools

October 2023 Board Meeting

The information and data contained in this spreadsheet is based on the MSBA's review of construction cost estimates, contracts and other documentation provided by cities, towns, and regional school districts. This information and data is intended for informational purposes only. The data may have changed based on actual construction bids or contract amendments. The MSBA shall have no responsibility or duty to update any of the information contained in this spreadsheet. Additionally, districts may refer to their district and school names using different titles than what is shown in this report. Please contact the Districts for the most current information. The MSBA hereby disclaims any and all liability and responsibility that may arise in connection with the information contained in this spreadsheet. Projects and data may not be listed in the report if the information is not available at the time of report generation. This spreadsheet may include a preliminary review of scope exclusions but all costs identified are subject to review and audit by the MSBA and may not be eligible for reimbursement by the MSBA.

Date Board Approved	Oct-12	Sep-13	Oct-13	Jan-14	Mar-14	Jun-14	Jul-14	Jun-15	
District	Greater Lowell Regional Voc Tech	Winthrop ¹	Winchester	North Middlesex ²	Georgetown	Lunenburg ³	Plymouth	Pittsfield	
School Name	Gr Lowell Regional Voc Tech	Winthrop HS	Winchester HS	North MSsex Regional	Georgetown HS	Lunenburg HS	Plymouth South HS	Taconic HS	
Project Type	Core Program	Core Program	Core Program	Core Program	Core Program	Core Program	Core Program	Core Program	
Project Scope	Addition / Renovation	New Construction	Addition / Renovation	New Construction	Renovation	New Construction	New Construction	New Construction	
Enrollment	1,990	970	1,370	870	720	820	1,005	920	
GSF	505,766	187,917	288,840	180,630	128,670	167,018	248,081	246,520	
Assumed Start of Construction	Apr-14	Jul-14	Jun-14	May-15	Apr-15	May-14	Jul-15	Jan-16	
OPM	NV5 (fka Joslin, Lesser + Associates Inc.)	Skanska USA Building, Inc	Skanska USA Building, Inc	Turner & Townsend Heery	Municipal Building Consultants, Inc.	NV5 (fka Joslin, Lesser + Associates Inc.)	Ted Gentry Associates, Inc	Skanska USA Building, Inc	
Designer	Knight, Bagge & Anderson, Inc.	HMFH Architects, Inc.	Symmes Maini & McKee Associates, Inc.	Symmes Maini & McKee Associates, Inc.	Drummeys Rosane Anderson, Inc.	Tappe Architects, Inc.	Ai3 Architects LLC	Drummeys Rosane Anderson, Inc.	
Cost Estimator	Atlantic Construction and Management, Inc.	Project Management & Cost	A M Fogarty & Associates Inc.	Project Management & Cost	Rider Levett Bucknall	Project Management & Cost	Project Management & Cost	Rider Levett Bucknall	
Division #	Description of Work	Total Cost							
A	Substructure	\$583,645	\$3,645,359	\$2,250,990	\$3,560,992	\$55,800	\$3,405,171	\$3,993,470	\$2,491,962
B	Shell	\$10,186,500	\$12,241,254	\$19,046,044	\$14,024,734	\$1,352,166	\$13,225,052	\$19,439,662	\$18,777,964
B10	Superstructure	\$703,420	\$5,944,324	\$3,689,083	\$5,055,274	\$13,960	\$5,126,402	\$8,662,654	\$8,465,685
B20	Exterior Enclosure	\$4,394,050	\$4,535,606	\$12,445,753	\$5,882,134	\$78,340	\$5,651,315	\$8,768,249	\$7,715,637
B2010	Exterior Walls	\$1,882,165	\$3,966,814	\$8,665,814	\$3,966,375	\$35,900	\$4,129,283	\$5,862,988	\$6,373,942
B2020	Exterior Windows	\$2,239,285		\$3,595,529	\$1,728,357	\$37,440	\$1,351,575	\$2,581,898	\$1,183,935
B2030	Exterior Doors	\$272,600		\$184,410	\$187,402	\$5,000	\$170,457	\$323,363	\$157,760
B30	Roofing	\$5,089,030	\$1,761,324	\$2,911,208	\$3,087,326	\$1,259,866	\$2,447,335	\$2,008,759	\$2,596,642
C	Interiors	\$4,530,640	\$8,674,072	\$13,429,636	\$8,987,130	\$627,887	\$9,892,279	\$12,961,512	\$12,416,341
D	Services	\$19,286,748	\$15,087,384	\$25,929,654	\$14,568,287	\$1,376,734	\$12,535,422	\$22,000,045	\$23,297,917
D10	Conveying	\$15,000	\$243,000	\$240,000	\$78,843		\$172,400	\$213,150	\$295,000
D20	Plumbing	\$1,600,685	\$2,040,575	\$3,869,317	\$1,923,161	\$232,625	\$2,051,613	\$3,097,714	\$3,085,466
D30	HVAC	\$8,830,788	\$6,198,170	\$13,068,172	\$6,819,124	\$402,419	\$5,148,736	\$7,993,730	\$9,000,522
D40	Fire Protection	\$2,286,604	\$874,845	\$1,453,858	\$768,616	\$217,093	\$647,250	\$1,069,800	\$1,305,931
D50	Electrical Utilities	\$6,553,671	\$5,730,794	\$7,298,307	\$4,978,543	\$524,597	\$4,515,423	\$9,625,651	\$9,610,998
E	Furnishings & Fixed Equipment	\$2,026,320	\$2,968,774	\$3,206,606	\$3,081,919	\$131,374	\$2,472,054	\$2,217,620	\$3,029,004
	Building Value Engineering								
	Building Subtotal	\$36,613,853	\$42,616,843	\$63,862,930	\$44,223,062	\$3,543,961	\$41,529,978	\$60,612,309	\$60,013,188
F	Special Construction & Demo	\$2,963,289	\$2,450,040	\$5,223,227	\$3,326,174	\$503,934	\$2,658,000	\$1,949,100	\$3,257,268
G	Other Site Construction	\$1,198,558	\$2,131,403	\$7,033,731	\$6,640,382	\$204,535	\$5,404,677	\$8,320,686	\$8,293,358
G10	Site Preparation	\$135,812	\$2,131,403	\$2,548,718	\$1,730,917	\$49,090	\$716,284	\$1,913,708	\$2,923,933
G20	Site Improvements	\$603,340		\$3,368,554	\$2,702,201	\$9,840	\$2,847,412	\$4,559,260	\$3,258,432
G30	Mechanical Utilities	\$413,406		\$764,845	\$1,881,170	\$145,605	\$1,410,290	\$1,575,718	\$1,469,335
G40	Electrical Utilities	\$46,000		\$351,614	\$326,094		\$430,691	\$272,000	\$641,658
	Other Site Construction				\$43,798				\$50,000
	Subtotal	\$40,775,700	\$47,198,286	\$76,119,888	\$54,233,416	\$4,252,430	\$49,592,655	\$70,882,095	\$71,613,814
Z	Mark-Ups	\$9,872,520	\$13,062,383	\$21,035,587	\$12,581,367	\$1,329,876	\$8,490,293	\$10,207,021	\$19,764,068
Z	Insurance	\$1,419,606	\$778,291	\$1,640,376	\$583,735		\$649,000	\$354,410	\$1,171,170
Z	Subcontractor Bond	\$300,000	\$407,724		\$554,510	\$93,551	\$442,500	\$637,939	\$715,787
Z	Design & Pricing Contingency	\$4,577,111	\$4,219,081	\$8,575,064	\$6,105,889	\$620,246	\$1,603,615	\$3,544,105	\$8,325,257
Z	General Conditions	\$2,242,664	\$5,384,908	\$3,510,000	\$4,140,000	\$425,234	\$3,877,307	\$3,898,515	\$5,783,556
Z	Overhead & Profit / GMP Fee	\$1,333,139	\$1,359,082	\$4,480,376	\$1,197,233	\$190,845	\$1,050,000	\$1,772,052	\$1,981,229
Z	GMP Contingency		\$913,297	\$2,829,771			\$867,871		\$1,787,069
	Construction Subtotal	\$50,648,220	\$60,260,669	\$97,155,475	\$66,814,783	\$5,582,306	\$58,082,948	\$81,089,116	\$91,377,882
	Project Scope Adjustments								
Z	Escalation to Construction Mid-Point	\$2,517,411	\$3,281,510	\$3,780,135	\$2,014,943	\$278,784	\$1,487,780	\$2,675,943	\$6,379,491
	Total Construction Cost	\$53,165,631	\$63,542,179	\$100,935,610	\$68,829,726	\$5,861,090	\$59,570,728	\$83,765,059	\$97,757,373
	Cost per Square Foot	\$105	\$338	\$349	\$381	\$46	\$357	\$338	\$397
Bid Alternates				\$183,012				\$4,398,483	\$495,000
CM Pre-Construction Services			\$175,000	\$500,000			\$160,000		\$250,000
Construction Contingency	\$2,658,282	\$2,283,243	\$5,055,931	\$3,458,986	\$410,276	\$2,978,536	\$4,188,253	\$3,484,613	
Designer	\$5,685,298	\$6,502,701	\$10,848,500	\$7,893,000	\$5,431,057	\$7,706,049	\$10,230,985		
OPM & other Professional services	\$1,926,000	\$2,469,000	\$3,642,500	\$4,096,860	\$365,330	\$2,027,000	\$3,030,333		\$3,537,370
FF&E/IT	\$1,000,000	\$2,328,000	\$4,932,000	\$3,132,000	\$125,000	\$1,968,000	\$3,741,000		\$4,098,050
Legal Fees		\$100,000	\$21,000	\$12,000	\$15,000		\$150,000		\$30,000
Other Soft Costs	\$275,000	\$1,760,000	\$3,220,000	\$961,608	\$78,000	\$240,000	\$270,000		\$250,000
Owner's Contingency	\$600,000	\$2,758,617	\$505,593	\$691,797	\$170,000	\$600,000	\$550,823		\$1,161,538
	Total Project Budget ***	\$65,310,211	\$81,818,740	\$129,923,146	\$89,084,977	\$7,805,726	\$72,975,321	\$107,800,000	\$121,294,929
Bid Alternates				\$183,012				\$4,398,483	\$495,000
Ineligible Costs & Contingency					\$2,770,689	\$293,054	\$2,382,829	\$3,565,602	\$2,507,039
Scope Exclusions	\$125,000	\$10,811,835	\$26,074,548	\$19,883,308	\$154,590	\$11,018,677	\$12,019,699	\$12,019,699	\$25,539,786
	Basis for Total Facilities Grant	\$65,185,211	\$71,006,905	\$103,665,586	\$66,430,980	\$7,358,082	\$59,573,815	\$87,816,216	\$92,753,104
	Reimbursement Rate	76.84%	59.97%	42.92%	60.63%	52.13%	59.11%	53.37%	80.00%
	Maximum Facilities Grant	\$50,088,316	\$42,582,841	\$44,493,270	\$40,277,103	\$3,835,768	\$35,214,082	\$46,867,514	\$74,202,483

1 - Winthrop Middle/High School - based on PFA 7-23-14 (FEMA Revision 3011 form).
 2 - North Middlesex Regional HS - The Maximum Facilities Grant reflects the recovery of \$67,076.
 3 - Lunenburg - Maximum Total Facilities Grant reflects a recovery of \$434,702.
 *** Total Project Budget Value includes the cost of Alternates.

Information as of:

**October 2023
Board Meeting**

Date Board Approved	Jan-16	Jan-16	May-16	Feb-17	Aug-17	Aug-17	Oct-17	Dec-17	
District	Billerica	Minuteman Voc Tech	Stoughton	Somerville	Cape Cod Regional Voc Tech ⁴	Blue Hills Voc ⁵	Middleborough ⁶	Boston ⁷	
School Name	Billerica Memorial HS	Minuteman Regional HS	Stoughton HS	Somerville HS	Cape Cod Region Voc Tech	Blue Hills Regional Voc Tech	MSborough HS	Boston Arts Academy	
Project Type	Core Program	Core Program	Core Program	Core Program	Core Program	Core Program	Core Program	Core Program	
Project Scope	New Construction	New Construction	New Construction	Addition / Renovation	New Construction	Addition / Renovation	New Construction	New Construction	
Enrollment	1,610	628	1,065	1,590	650	900	720	500	
GSF	325,191	257,745	214,860	369,496	220,880	292,400	166,650	153,476	
Assumed Start of Construction	Feb-17	Aug-17	Aug-17	Jun-18	Dec-18	May-18	Dec-17	Sep-18	
OPM	Leftfield, LLC	Skanska USA Building, Inc	Compass Project Management, Inc.	PMA Consultants, LLC	Colliers Project Leaders NE, LLC	Dore & Whittier Management Partners, Inc.	Compass Project Management, Inc.	PMA Consultants, LLC	
Designer	Perkins+Will	Kaestle Boos Associates, Inc.	Drumme Rosane Anderson, Inc.	Symmes Maini & McKee Associates, Inc.	Drumme Rosane Anderson, Inc.	Drumme Rosane Anderson, Inc.	Drumme Rosane Anderson, Inc.	Perkins Eastman/DPC	
Cost Estimator	Project Management & Cost	Coast and Harbor Associates, Inc.	Rider Levett Bucknall	VJ Associates of New England	Rider Levett Bucknall	Ellana, Inc.	Miyakoda Consulting	Project Management & Cost	
Division #	Description of Work								
A	Substructure	\$3,519,889	\$6,018,571	\$2,960,617	\$6,035,997	\$5,278,100	\$248,642	\$4,198,828	\$5,999,651
B	Shell	\$29,602,363	\$20,391,786	\$18,749,972	\$35,855,220	\$20,993,600	\$9,340,906	\$14,745,626	\$21,370,653
B10	Superstructure	\$12,929,882	\$8,674,815	\$7,774,475	\$12,519,992	\$7,838,500	\$470,970	\$6,146,235	\$9,050,697
B20	Exterior Enclosure	\$14,082,289	\$8,246,516	\$8,312,029	\$17,722,553	\$10,281,100	\$5,689,571	\$6,521,892	\$10,492,688
	B2010 Exterior Walls	\$8,625,095	\$8,246,516	\$5,952,208	\$12,835,308	\$5,092,100	\$0	\$4,507,560	\$5,325,295
	B2020 Exterior Windows	\$5,323,374		\$2,245,709	\$4,681,245	\$4,863,200	\$0	\$1,850,400	\$5,048,704
	B2030 Exterior Doors	\$133,820		\$114,112	\$206,000	\$325,800	\$0	\$163,932	\$118,689
B30	Roofing	\$2,590,192	\$3,470,455	\$2,663,468	\$5,612,675	\$2,874,000	\$3,180,365	\$2,077,499	\$1,827,268
C	Interiors	\$16,793,857	\$13,748,466	\$14,700,692	\$21,475,775	\$13,308,500	\$6,504,667	\$10,815,632	\$13,817,948
D	Services	\$29,610,267	\$25,631,184	\$19,574,104	\$43,459,701	\$22,861,600	\$30,349,460	\$16,602,130	\$19,195,122
D10	Conveying	\$327,000	\$365,350	\$405,000	\$740,000	\$225,000	\$334,250	\$310,525	\$626,800
D20	Plumbing	\$4,310,240	\$3,556,828	\$2,727,760	\$5,971,978	\$3,309,000	\$3,208,448	\$2,055,770	\$2,794,847
D30	HVAC	\$11,597,500	\$11,305,292	\$8,141,729	\$18,949,221	\$9,562,500	\$14,195,608	\$6,365,693	\$8,064,262
D40	Fire Protection	\$1,622,980	\$1,238,678	\$1,021,835	\$2,755,200	\$1,088,100	\$1,628,294	\$992,625	\$895,038
D50	Electrical Utilities	\$11,752,547	\$9,165,036	\$7,277,780	\$15,043,302	\$8,677,000	\$10,982,860	\$6,877,517	\$6,814,175
E	Furnishings & Fixed Equipment	\$5,872,590	\$5,883,466	\$2,525,388	\$4,739,258	\$2,697,200	\$345,835	\$4,179,673	\$4,065,020
	Building Value Engineering								
	Building Subtotal	\$85,398,966	\$71,673,473	\$58,510,773	\$111,565,951	\$65,139,000	\$46,789,510	\$50,541,889	\$64,448,394
F	Special Construction & Demo	\$7,045,280	\$3,209,008	\$3,015,750	\$10,536,145	\$2,513,900	\$3,828,102	\$2,969,000	\$2,554,140
G	Other Site Construction	\$13,223,137	\$8,784,416	\$8,783,777	\$21,944,804	\$9,237,900	\$813,153	\$11,160,446	\$1,379,290
G10	Site Preparation	\$2,322,677	\$2,457,415	\$2,071,146	\$6,434,250	\$2,043,000	\$390,618	\$1,779,286	\$295,958
G20	Site Improvements	\$7,501,210	\$3,622,404	\$4,674,490	\$12,818,914	\$4,512,500	\$332,035	\$6,580,306	\$608,502
G30	Mechanical Utilities	\$1,729,100	\$1,323,597	\$908,445	\$1,856,668	\$2,356,100	\$90,500	\$1,881,104	\$302,080
G40	Electrical Utilities	\$1,670,150	\$1,381,000	\$1,129,696	\$834,972	\$326,300	\$0	\$919,750	\$172,750
	Other Site Construction				\$0	\$0	\$0	\$0	\$0
	Subtotal	\$105,667,383	\$83,666,897	\$70,310,300	\$144,046,900	\$76,890,900	\$51,430,765	\$64,671,335	\$68,381,824
Z	Mark-Ups	\$28,766,422	\$26,840,326	\$21,286,127	\$38,483,421	\$21,125,900	\$16,105,233	\$15,090,574	\$22,466,346
Z	Insurance	\$12,435,144	\$1,572,592	\$988,762	\$2,373,693	\$1,473,400	\$942,309	\$763,536	\$1,168,050
Z	Subcontractor Bond	\$1,139,006	\$3,484,770	\$1,074,742	\$3,484,770	\$842,000	\$1,322,215	\$501,261	\$801,038
Z	Design & Pricing Contingency	\$10,566,738	\$8,366,689	\$7,304,276	\$11,567,703	\$8,910,600	\$5,143,077	\$6,170,233	\$6,838,182
Z	General Conditions	\$9,004,650	\$7,619,380	\$4,613,400	\$14,288,470	\$4,379,086	\$5,326,993	\$8,655,546	\$8,655,546
Z	Overhead & Profit / GMP Fee	\$3,064,354	\$3,485,700	\$2,579,380	\$3,645,505	\$5,286,500	\$1,450,252	\$2,328,551	\$2,274,332
Z	GMP Contingency	\$2,700,186	\$3,271,689	\$1,719,587	\$3,123,280	\$0	\$2,868,294	\$0	\$2,729,198
	Construction Subtotal	\$134,433,805	\$110,507,223	\$91,596,427	\$182,530,321	\$98,016,700	\$67,535,998	\$79,761,909	\$90,848,170
	Project Scope Adjustments								
Z	Escalation to Construction Mid-Point	\$6,340,043	\$8,693,669	\$5,632,303	\$16,521,389	\$6,207,100	\$2,973,859	\$3,007,989	\$5,128,637
	Total Construction Cost	\$140,773,848	\$119,200,892	\$97,228,730	\$199,051,710	\$104,223,800	\$70,509,857	\$82,769,898	\$95,976,807
	Cost per Square Foot	\$433	\$462	\$453	\$539	\$472	\$241	\$497	\$625
Bid Alternates		\$6,516,200	\$3,732,461	\$0	\$0	\$0	\$0	\$812,500	\$0
CM Pre-Construction Services	\$250,000	\$420,000	\$150,000	\$696,198	\$0	\$0	\$181,000	\$0	\$500,000
Construction Contingency	\$7,150,111	\$5,000,000	\$4,038,448	\$12,764,470	\$3,126,700	\$3,200,000	\$4,138,495	\$6,718,376	
Designer	\$15,085,710	\$11,393,800	\$10,551,120	\$22,805,171	\$11,050,549	\$7,365,986	\$9,202,200	\$11,723,293	
OPM & other Professional services	\$5,004,648	\$4,173,183	\$3,629,642	\$10,096,956	\$3,737,832	\$2,555,925	\$3,059,119	\$3,914,122	
FF&E/IT	\$5,071,500	\$1,507,200	\$2,756,000	\$5,096,000	\$3,306,500	\$175,000	\$2,543,040	\$2,200,000	
Legal Fees	\$100,000	\$0	\$20,000	\$10,000	\$0	\$75,000	\$20,000	\$100,000	
Other Soft Costs	\$1,250,000	\$2,035,396	\$462,000	\$3,790,000	\$743,800	\$500,000	\$516,000	\$2,855,000	
Owner's Contingency	\$1,311,472	\$1,192,009	\$972,287	\$1,672,199	\$1,873,700	\$300,000	\$413,849	\$767,814	
	Total Project Budget ***	\$175,997,289	\$151,438,680	\$123,540,688	\$255,982,704	\$128,062,881	\$84,862,768	\$103,475,101	\$124,755,412
Bid Alternates	\$0	\$6,516,200	\$0	\$0	\$0	\$0	\$0	\$0	
Ineligible Costs & Contingency	\$5,930,038	\$3,807,991	\$3,066,161	\$8,783,436	\$2,158,241	\$1,789,803	\$3,315,374	\$5,758,608	
Scope Exclusions	\$40,644,736	\$40,095,359	\$34,324,555	\$82,551,497	\$32,207,304	\$3,595,523	\$29,504,859	\$49,491,816	
	Basis for Total Facilities Grant	\$129,422,515	\$101,019,130	\$86,149,972	\$164,647,771	\$93,697,336	\$79,477,442	\$70,654,868	\$69,504,988
	Reimbursement Rate	56.99%	44.75%	60.66%	75.29%	45.45%	55.89%	61.29%	70.36%
	Maximum Facilities Grant	\$73,757,891	\$45,206,061	\$52,258,573	\$123,963,307	\$42,585,439	\$44,419,942	\$43,304,369	\$48,903,710

4 - Cape Cod RTHS- The Maximum Facilities Grant reflects the recovery of \$73,779.
5 - Blue Hills Regional Voc Tech - The Maximum Facilities Grant reflects the recovery of \$25,866.
6 - Middleborough High School - The Maximum Facilities Grant reflects the recovery of \$4,578.
7 - Boston - Max. Facilities Grant reflects the recovery of \$13,090.

Information as of:

**October 2023
Board Meeting**

Date Board Approved	Dec-17	Feb-18	Feb-18	Aug-18	Feb-19	Apr-19	Apr-19	Apr-19	
District	Worcester ⁸	Attleboro ⁹	Fall River ¹⁰	Belmont ¹¹	Waltham ¹²	Pentucket ¹³	Arlington ¹⁴	Central Berkshire ¹⁵	
School Name	South HS Community	Attleboro HS	B M C Durfee HS	Belmont HS	Waltham Sr HS	Pentucket Regional Sr HS	Arlington HS	Wahconah Regional HS	
Project Type	Core Program	Core Program	Core Program	Core Program	Core Program	Core Program	Core Program	Core Program	
Project Scope	New Construction	New Construction	Addition / Renovation	Addition / Renovation	New Construction	New Construction	New Construction	New Construction	
Enrollment	1,420	1,725	2,570	2,215	1,830	965	1,755	460	
GSF	359,994	476,425	501,330	445,100	414,854	211,700	408,590	122,760	
Assumed Start of Construction	Oct-18	May-19	Aug-18	Apr-19	Nov-21	Apr-20	Apr-19	Mar-20	
OPM	Turner & Townsend Heery	Skanska USA Building, Inc	Leftfield, LLC	CHA Consulting, Inc.	Leftfield, LLC	Vertex (Eng.) Construction Services	Skanska USA Building, Inc	Skanska USA Building, Inc	
Designer	Lamoureux Pagano Associates Architects, Inc.	Kaestle Boos Associates, Inc.	Ai3 Architects LLC	Perkins+Will	Symmes Maini & McKee Associates, Inc.	Dore & Whittier Architects, Inc.	HMFH Architects, Inc.	Drummeys Rosane Anderson, Inc.	
Cost Estimator	A M Fogarty & Associates Inc.	Miyakoda Consulting	Project Management & Cost	Project Management & Cost	A M Fogarty & Associates Inc.	Project Management & Cost	Project Management & Cost	Ellana, Inc.	
Division #	Description of Work								
A	Substructure	\$7,779,638	\$7,491,254	\$10,040,225	\$12,811,842	\$13,575,890	\$5,055,863	\$13,474,721	\$2,187,846
B	Shell	\$31,355,727	\$42,865,549	\$40,325,500	\$45,255,237	\$46,763,979	\$24,992,845	\$47,397,378	\$13,238,981
B10	Superstructure	\$13,537,973	\$19,192,257	\$15,066,451	\$19,448,977	\$16,961,758	\$8,901,362	\$21,791,712	\$4,921,782
B20	Exterior Enclosure	\$14,292,278	\$17,912,962	\$20,698,812	\$22,017,933	\$24,924,453	\$13,305,293	\$21,017,633	\$6,567,161
B2010	Exterior Walls	\$9,937,200	\$10,363,543	\$20,698,812	\$16,444,485	\$16,444,485	\$8,147,648	\$13,176,119	\$6,567,161
B2020	Exterior Windows	\$4,168,568	\$7,258,819	\$0	\$6,851,259	\$8,194,385	\$4,922,565	\$7,543,582	\$0
B2030	Exterior Doors	\$186,510	\$290,600	\$0	\$203,770	\$285,583	\$235,080	\$297,932	\$0
B30	Roofing	\$3,525,476	\$5,760,330	\$4,560,237	\$3,788,327	\$4,877,768	\$2,786,190	\$4,588,033	\$1,750,038
C	Interiors	\$22,311,169	\$25,504,031	\$31,331,576	\$30,971,091	\$34,596,365	\$13,668,593	\$30,023,786	\$8,304,518
D	Services	\$36,897,131	\$50,329,674	\$49,815,273	\$53,904,660	\$51,359,205	\$23,241,404	\$49,299,133	\$14,341,661
D10	Conveying	\$377,074	\$320,000	\$394,300	\$407,000	\$422,675	\$375,000	\$615,000	\$130,000
D20	Plumbing	\$4,923,262	\$6,729,300	\$6,886,573	\$6,636,640	\$7,612,924	\$3,116,925	\$6,656,440	\$1,781,270
D30	HVAC	\$14,007,717	\$19,959,264	\$19,130,818	\$25,050,557	\$24,449,711	\$10,455,885	\$25,607,633	\$5,806,998
D40	Fire Protection	\$1,529,975	\$2,027,300	\$2,193,247	\$2,008,225	\$2,442,470	\$1,011,715	\$2,042,950	\$597,485
D50	Electrical Utilities	\$16,059,103	\$21,293,810	\$21,210,335	\$19,802,238	\$16,431,425	\$8,281,879	\$14,377,110	\$6,025,908
E	Furnishings & Fixed Equipment	\$6,668,705	\$8,792,157	\$7,241,448	\$8,328,615	\$6,573,749	\$3,524,653	\$5,844,282	\$2,378,322
	Building Value Engineering	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Building Subtotal	\$105,012,370	\$134,982,665	\$138,754,022	\$151,271,445	\$152,869,188	\$70,483,358	\$146,039,300	\$40,451,328
F	Special Construction & Demo	\$4,298,200	\$7,856,000	\$7,445,625	\$9,936,375	\$1,021,610	\$4,200,098	\$7,414,100	\$1,150,000
G	Other Site Construction	\$20,575,764	\$15,707,685	\$17,080,054	\$14,350,958	\$32,929,683	\$16,592,585	\$18,625,642	\$4,759,272
G10	Site Preparation	\$6,911,203	\$2,861,393	\$3,116,961	\$1,991,873	\$32,783,529	\$3,952,646	\$5,704,532	\$1,387,025
G20	Site Improvements	\$8,917,481	\$12,846,292	\$8,783,373	\$9,290,810	\$138,154	\$6,929,449	\$8,712,200	\$2,242,366
G30	Mechanical Utilities	\$3,141,045	\$0	\$4,346,370	\$1,455,400	\$8,000	\$2,001,980	\$1,548,710	\$904,977
G40	Electrical Utilities	\$1,606,035	\$0	\$833,350	\$1,612,875	\$0	\$461,280	\$2,660,200	\$224,904
	Other Site Construction	\$0	\$0	\$0	\$0	\$31,353,309	\$3,247,230	\$0	\$0
	Subtotal	\$129,886,334	\$158,546,350	\$163,279,701	\$175,558,778	\$218,173,790	\$91,276,041	\$172,079,042	\$46,360,600
Z	Mark-Ups	\$33,496,327	\$46,940,391	\$41,847,362	\$49,815,631	\$63,250,000	\$22,746,631	\$47,720,671	\$10,926,931
Z	Insurance	\$2,246,382	\$2,653,742	\$4,019,538	\$3,910,468	\$3,500,000	\$2,021,200	\$2,214,657	\$560,366
Z	Subcontractor Bond	\$1,402,468	\$2,369,412	\$0	\$0	\$2,350,000	\$0	\$1,509,994	\$840,549
Z	Design & Pricing Contingency	\$11,689,770	\$15,631,941	\$16,327,970	\$14,946,558	\$21,500,000	\$9,127,604	\$13,766,323	\$3,255,742
Z	General Conditions	\$9,694,298	\$8,640,000	\$22,471,465	\$21,500,000	\$8,068,609	\$18,493,299	\$3,674,337	\$0
Z	Overhead & Profit / GMP Fee	\$4,216,126	\$12,432,589	\$18,695,525	\$4,451,569	\$5,900,000	\$2,480,000	\$5,029,885	\$1,351,778
Z	GMP Contingency	\$4,247,283	\$5,212,707	\$2,804,329	\$4,035,571	\$8,500,000	\$1,049,218	\$6,706,513	\$1,244,159
	Construction Subtotal	\$163,382,661	\$205,486,741	\$205,127,063	\$225,374,409	\$281,423,790	\$114,022,672	\$219,799,713	\$57,287,531
	Project Scope Adjustments	\$0	\$17,601,571	\$5,364,960	\$0	\$0	\$0	\$0	\$0
Z	Escalation to Construction Mid-Point	\$9,478,520	\$0	\$7,347,587	\$11,273,198	\$17,500,000	\$4,518,164	\$15,487,114	\$2,297,501
	Total Construction Cost	\$172,861,181	\$223,088,312	\$217,839,610	\$236,647,607	\$298,923,790	\$118,540,836	\$235,286,827	\$59,585,032
	Cost per Square Foot	\$480	\$468	\$435	\$532	\$721	\$560	\$576	\$485
Bid Alternates	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
CM Pre-Construction Services	\$250,000	\$350,000	\$270,000	\$446,582	\$600,000	\$212,700	\$500,000	\$200,000	
Construction Contingency	\$8,643,059	\$2,230,883	\$6,321,740	\$14,200,000	\$14,946,190	\$5,215,797	\$7,075,741	\$2,103,058	
Designer	\$15,157,794	\$20,078,000	\$22,095,355	\$22,731,000	\$35,590,189	\$13,351,945	\$25,010,919	\$6,120,000	
OPM & other Professional services	\$4,467,802	\$7,710,985	\$7,485,500	\$7,746,000	\$10,053,348	\$4,370,642	\$7,837,328	\$2,095,000	
FF&E/IT	\$5,680,000	\$4,140,000	\$6,168,000	\$7,088,000	\$9,774,632	\$2,895,000	\$8,073,000	\$1,497,000	
Legal Fees	\$50,000	\$0	\$20,000	\$100,000	\$0	\$10,000	\$100,000	\$20,000	
Other Soft Costs	\$730,000	\$1,150,000	\$1,150,000	\$4,200,000	\$1,690,000	\$550,000	\$4,198,198	\$400,000	
Owner's Contingency	\$2,131,404	\$1,170,000	\$2,143,920	\$2,000,000	\$2,989,238	\$1,185,408	\$2,769,807	\$701,019	
	Total Project Budget ***	\$209,971,240	\$259,918,180	\$263,494,125	\$295,159,189	\$374,567,387	\$146,332,328	\$290,851,820	\$72,721,109
Bid Alternates	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Ineligible Costs & Contingency	\$6,914,447	\$1,215,489	\$2,636,613	\$9,467,048	\$11,956,952	\$47,773,536	\$4,722,873	\$1,507,208	
Scope Exclusions	\$58,592,691	\$68,232,148	\$47,832,759	\$87,237,872	\$176,472,093	\$4,030,389	\$113,056,080	\$18,533,959	
	Basis for Total Facilities Grant	\$144,464,102	\$190,470,543	\$213,024,753	\$198,454,269	\$186,138,342	\$94,528,403	\$173,072,867	\$52,679,942
	Reimbursement Rate	80.00%	66.65%	80.00%	40.66%	65.71%	57.63%	49.72%	59.44%
	Maximum Facilities Grant	\$115,571,282	\$126,948,617	\$170,419,802	\$80,691,506	\$122,311,505	\$54,476,719	\$86,051,829	\$31,312,958

8 - Worcester - Max. Facilities Grant reflects the recovery of \$13,593.

9 - Attleboro HS - The Maximum Facilities Grant reflects the recovery of \$1,215,489.

10 - Fall River Durfee BMC HS - The Maximum Facilities Grant reflects the recovery of \$671,665.

11 - Belmont HS - The Maximum Facilities Grant reflects the recovery of \$47,227.

12 - Waltham HS - The Maximum Facilities Grant reflects the recovery of \$9,234.

13 - Pentucket Regional Sr HS - The Maximum Facilities Grant reflects the recovery of \$358,113.

14 - Arlington HS - The Maximum Facilities Grant reflects the recovery of \$32,184.

15 - Wahconah Regional HS - The Maximum Facilities Grant reflects the recovery of \$1,431.

Information as of:

**October 2023
Board Meeting**

Date Board Approved	Apr-19	Jun-19	Oct-19	Feb-20	Aug-20	Aug-21	Aug-21	Oct-21	
District	Lowell ¹⁶	Saugus ¹⁷	Sharon ¹⁸	Nauset ¹⁹	Worcester ²⁰	Northeast Metropolitan Regional Voc Tech ²¹	Stoneham ²²	Bristol-Plymouth Regional Voc Tech ²³	
School Name	Lowell HS	Saugus HS	Sharon HS	Nauset Regional HS	Doherty Memorial HS	Northeast Metro Reg Voc	Stoneham HS	Bristol-Plymouth Voc Tech	
Project Type	Core Program	Core Program	Core Program	Core Program	Core Program	Core Program	Core Program	Core Program	
Project Scope	Addition / Renovation	New Construction	New Construction	Addition / Renovation	New Construction	New Construction	New Construction	New Construction	
Enrollment	3,520	1,360	1,250	905	1,670	1,600	695	1,434	
GSF	622,777	269,070	240,204	214,250	421,858	386,630	207,077	419,765	
Assumed Start of Construction	Mar-21	May-18	Aug-20	Jul-22	May-21	Jun-23	Oct-22	Apr-23	
OPM	Skanska USA Building, Inc	PMA Consultants, LLC	PMA Consultants, LLC	CHA Consulting, Inc.	Tishman Construction Corporation of MA	PMA Consultants, LLC	Symmes Maini & McKee Associates, Inc.	PMA Consultants, LLC	
Designer	Perkins Eastman/DPC	HMFH Architects, Inc.	Tappe Architects, Inc.	Flansburgh Associates, Inc.	Lamoureux Pagano Associates Architects, Inc.	Drumrey Rosane Anderson, Inc.	Perkins+Will	HMFH Architects, Inc.	
Cost Estimator	Project Management & Cost	Project Management & Cost	Project Management & Cost	Project Management & Cost	A M Fogarty & Associates Inc.	Rider Levett Bucknall	Project Management & Cost	Project Management & Cost	
Division #	Description of Work								Total Cost
A	Substructure	\$8,821,761	\$4,691,092	\$5,558,180	\$1,914,674	\$10,411,315	\$7,102,544	\$6,330,206	\$11,152,355
B	Shell	\$43,205,592	\$23,089,994	\$24,653,902	\$19,423,654	\$42,776,922	\$47,049,999	\$24,343,489	\$47,707,785
B10	Superstructure	\$16,763,727	\$10,938,078	\$10,467,052	\$5,548,289	\$17,422,452	\$22,922,963	\$10,835,255	\$19,498,083
B20	Exterior Enclosure	\$21,755,675	\$9,414,509	\$9,850,484	\$11,998,628	\$20,768,534	\$18,244,496	\$10,404,191	\$21,554,813
B2010	Exterior Walls	\$10,053,749	\$5,639,966	\$6,443,745	\$0	\$13,885,789	\$17,286,796	\$6,895,962	\$13,578,834
B2020	Exterior Windows	\$11,262,654	\$3,632,103	\$3,205,499	\$0	\$6,674,954	\$79,800	\$3,273,694	\$7,347,659
B2030	Exterior Doors	\$439,272	\$142,440	\$201,240	\$0	\$207,791	\$877,900	\$234,535	\$628,320
B30	Roofing	\$4,686,190	\$2,737,407	\$4,336,366	\$1,876,737	\$4,585,936	\$5,882,540	\$3,104,043	\$6,654,889
C	Interiors	\$38,191,310	\$18,632,387	\$18,171,110	\$14,968,687	\$31,840,046	\$27,712,012	\$15,654,917	\$30,215,211
D	Services	\$67,085,379	\$26,094,271	\$26,691,340	\$27,366,156	\$50,420,771	\$49,488,001	\$27,711,582	\$56,393,722
D10	Conveying	\$1,305,000	\$350,000	\$246,200	\$430,900	\$598,000	\$495,000	\$461,971	\$683,575
D20	Plumbing	\$9,392,145	\$3,551,465	\$4,309,842	\$3,803,718	\$7,500,591	\$6,718,112	\$3,481,213	\$8,088,292
D30	HVAC	\$31,917,803	\$11,402,776	\$11,343,145	\$11,972,794	\$21,007,499	\$22,233,115	\$13,104,795	\$27,634,548
D40	Fire Protection	\$3,255,044	\$987,025	\$1,240,344	\$1,404,688	\$2,323,250	\$2,257,047	\$1,279,328	\$2,595,553
D50	Electrical Utilities	\$21,215,387	\$9,803,005	\$9,551,809	\$9,754,056	\$18,991,431	\$17,784,727	\$9,384,275	\$17,391,754
E	Furnishings & Fixed Equipment	\$10,307,430	\$4,613,668	\$4,666,686	\$4,571,634	\$8,386,082	\$4,160,050	\$5,509,153	\$7,098,375
	Building Value Engineering								
	Building Subtotal	\$167,611,472	\$77,121,412	\$79,741,218	\$68,244,805	\$143,835,136	\$135,512,606	\$79,549,347	\$152,567,448
F	Special Construction & Demo	\$20,673,185	\$5,160,025	\$2,962,560	\$3,373,342	\$11,749,798	\$3,702,853	\$4,390,011	\$4,175,638
G	Other Site Construction	\$7,003,247	\$13,337,293	\$11,471,383	\$8,676,159	\$20,378,558	\$34,955,475	\$29,953,071	\$22,974,031
G10	Site Preparation	\$1,533,100	\$1,537,045	\$2,012,996	\$8,676,159	\$8,003,706	\$12,235,063	\$6,814,168	\$4,867,439
G20	Site Improvements	\$3,726,267	\$8,984,703	\$7,174,047	\$0	\$7,900,598	\$12,583,194	\$12,844,618	\$11,197,862
G30	Mechanical Utilities	\$601,120	\$1,933,225	\$1,619,840	\$0	\$2,996,106	\$8,046,500	\$6,571,169	\$4,502,960
G40	Electrical Utilities	\$1,142,760	\$882,320	\$664,500	\$0	\$1,478,148	\$2,090,718	\$3,723,116	\$2,405,770
	Other Site Construction		\$1,268,597	\$185,000	\$153,526	\$4,219,132	\$2,228,504	\$2,228,504	\$2,318,680
	Subtotal	\$195,287,904	\$95,618,730	\$95,443,758	\$80,479,306	\$177,496,018	\$178,390,066	\$116,120,933	\$182,035,797
Z	Mark-Ups	\$9,558,263	\$27,285,689	\$26,530,645	\$20,365,852	\$52,365,025	\$46,982,941	\$32,674,657	\$47,927,593
Z	Insurance	\$4,023,086	\$2,650,551	\$1,958,506	\$1,264,248	\$3,095,503	\$4,626,775	\$1,861,022	\$2,956,261
Z	Subcontractor Bond		\$979,253	\$939,998	\$1,949,020	\$2,624,843	\$1,774,629	\$2,639,519	\$2,639,519
Z	Design & Pricing Contingency	\$18,351,399	\$10,039,967	\$9,544,376	\$8,047,931	\$17,749,602	\$13,379,255	\$11,557,673	\$18,203,580
Z	General Conditions	\$23,698,563	\$5,760,000	\$9,152,235	\$8,225,000	\$5,490,583	\$16,731,565	\$5,490,124	\$18,252,976
Z	Overhead & Profit / GMP Fee	\$6,129,643	\$5,521,982	\$2,720,157	\$2,304,092	\$15,488,531	\$4,189,527	\$8,659,087	\$5,875,257
Z	GMP Contingency	\$7,355,572	\$3,313,189	\$2,176,118	\$5,857,369	\$5,430,976	\$3,332,122	\$3,332,122	\$3,332,122
	Construction Subtotal	\$254,846,167	\$122,904,419	\$121,974,403	\$100,845,158	\$229,861,043	\$225,373,007	\$148,795,590	\$229,963,390
	Project Scope Adjustments								
Z	Escalation to Construction Mid-Point	\$15,598,689	\$4,780,937	\$3,817,750	\$3,863,007	\$9,049,633	\$18,218,085	\$4,623,070	\$10,922,148
	Total Construction Cost	\$270,444,856	\$127,685,356	\$125,792,153	\$104,708,165	\$238,910,676	\$243,591,092	\$153,418,660	\$240,885,538
	Cost per Square Foot	\$434	\$475	\$524	\$489	\$566	\$630	\$741	\$574
Bid Alternates			\$0						
CM Pre-Construction Services	\$800,000	\$400,000	\$450,000	\$0	\$700,000	\$450,000	\$258,528		
Construction Contingency	\$18,930,780	\$7,046,121	\$6,319,608	\$5,200,000	\$8,225,725	\$15,650,000	\$7,670,933	\$14,453,132	
Designer	\$28,656,356	\$13,708,536	\$13,620,320	\$11,370,000	\$21,196,550	\$15,840,000	\$28,216,134		
OPM & other Professional services	\$9,488,726	\$5,286,306	\$5,022,725	\$3,725,000	\$5,387,595	\$11,137,949	\$4,995,100	\$12,750,000	
FF&E/IT	\$10,934,775	\$4,896,000	\$4,500,000	\$2,805,500	\$7,014,000	\$10,816,500	\$2,502,000	\$6,883,200	
Legal Fees	\$25,000	\$25,000	\$25,000	\$15,000	\$0	\$50,000	\$120,000	\$50,000	
Other Soft Costs	\$2,090,912	\$705,000	\$805,000	\$3,552,000	\$982,000	\$2,625,000	\$1,720,000	\$1,125,000	
Owner's Contingency	\$2,052,815	\$968,234	\$6,465,194	\$450,000	\$10,967,632	\$4,002,079	\$3,068,373	\$1,204,428	
	Total Project Budget ***	\$343,399,220	\$160,720,553	\$163,000,000	\$131,825,665	\$293,384,178	\$317,422,620	\$189,593,594	\$305,567,432
Bid Alternates			\$0						
Ineligible Costs & Contingency	\$13,521,883	\$7,509,936	\$5,061,686	\$3,105,837	\$5,836,618	\$15,998,213	\$8,438,026	\$12,044,277	
Scope Exclusions	\$59,875,030	\$39,159,674	\$46,568,450	\$43,297,114	\$118,438,936	\$118,103,084	\$92,231,965	\$91,802,544	
	Basis for Total Facilities Grant	\$270,002,307	\$114,050,943	\$111,369,864	\$85,422,714	\$169,108,624	\$183,321,323	\$88,923,603	\$201,720,611
	Reimbursement Rate	80.00%	57.72%	48.95%	43.39%	80.00%	76.84%	55.10%	62.25%
	Maximum Facilities Grant	\$216,001,846	\$65,830,204	\$54,515,548	\$37,064,916	\$135,286,899	\$140,864,105	\$48,996,905	\$125,571,080

16 - Lowell HS - The Maximum Facilities Grant reflects the recovery of \$9,440.

17 - Saugus High School - The Maximum Facilities Grant reflects the recovery of \$1,740,669.

18 - Sharon HS - The Maximum Facilities Grant reflects the recovery of \$892,543

19 - Nauset Regional HS - The Maximum Facilities Grant reflects the recovery of \$388,439.

20 - Worcester Doherty HS - The Maximum Facilities Grant reflects the recovery of \$45,875.

21 - Northeast Metro RVT - The Maximum Facilities Grant reflects the recovery of \$12,186.

22 - Stoneham HS - The Maximum Facilities Grant reflects the recovery of \$28,843.

23 - Bristol Plymouth RVT - The Maximum Facilities Grant reflects the recovery of \$1,322.

