

Information as of:

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

April 2023
Board Meeting

The information and data contained in this spreadsheet, for construction projects starting January 2014, 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, for example, and 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. 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 | Taconnic HS | |
| Construction Type | 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 | 180,530 | 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 | CBRE/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. | Drumme Rosane Anderson, Inc. | Tappe Architects, Inc. | Ai3 Architects LLC | Drumme 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 | \$5,052,274 | \$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 | \$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 | | \$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 | \$3,484,613 |
| Designer | \$5,685,298 | \$6,502,701 | \$10,848,500 | \$7,893,000 | \$781,030 | \$5,431,057 | \$7,706,049 | \$10,230,985 | \$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 | \$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 | \$4,098,050 |
| Legal Fees | | | \$100,000 | \$21,000 | \$15,000 | | \$150,000 | \$30,000 | \$30,000 |
| Other Soft Costs | \$275,000 | \$1,760,000 | \$3,220,000 | \$961,608 | \$78,000 | \$240,000 | \$270,000 | \$250,000 | \$250,000 |
| Owner's Contingency | \$600,000 | \$2,758,617 | \$505,593 | \$691,797 | \$170,000 | \$600,000 | \$550,823 | \$1,161,538 | \$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 | \$2,507,039 |
| Scope Exclusions | \$125,000 | \$10,811,835 | \$26,074,548 | \$19,883,308 | \$154,590 | \$11,018,677 | \$12,019,699 | \$25,539,786 | \$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.

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| 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 | Worcester 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 | South HS Community | |
| Construction Type | 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 | 1,420 | |
| GSF | 325,191 | 257,745 | 214,860 | 369,496 | 220,880 | 292,400 | 166,650 | 359,994 | |
| Assumed Start of Construction | Feb-17 | Aug-17 | Aug-17 | Jun-18 | Dec-18 | May-18 | Dec-17 | Oct-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. | CBRE/HEERY | |
| 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. | Lamoureux Pagano Associates Architects, Inc. | |
| Cost Estimator | Project Management & Cost | Coast and Harbor Associates, Inc. | Rider Levett Bucknall | VJ Associates of New England | Rider Levett Bucknall | Eilana, Inc. | Miyakoda Consulting | A M Fogarty & Associates Inc. | |
| 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 | \$7,779,638 |
| B | Shell | \$29,602,363 | \$20,391,786 | \$18,749,972 | \$35,855,220 | \$20,993,600 | \$9,340,906 | \$14,745,626 | \$31,355,727 |
| | B10 Superstructure | \$12,929,882 | \$8,674,815 | \$7,774,475 | \$12,519,992 | \$7,838,500 | \$470,970 | \$6,146,235 | \$13,537,973 |
| | B20 Exterior Enclosure | \$14,082,289 | \$8,246,516 | \$8,312,029 | \$17,722,553 | \$10,281,100 | \$5,689,571 | \$6,521,892 | \$14,292,278 |
| | B2010 Exterior Walls | \$8,625,095 | \$8,246,516 | \$5,952,208 | \$12,835,308 | \$5,092,100 | \$0 | \$4,507,560 | \$9,937,200 |
| | B2020 Exterior Windows | \$5,323,374 | | \$2,245,709 | \$4,681,245 | \$4,863,200 | \$0 | \$1,850,400 | \$4,168,568 |
| | B2030 Exterior Doors | \$133,820 | | \$114,112 | \$206,000 | \$325,800 | \$0 | \$163,932 | \$186,510 |
| | B30 Roofing | \$2,590,192 | \$3,470,455 | \$2,663,468 | \$5,612,675 | \$2,874,000 | \$3,180,365 | \$2,077,499 | \$3,525,476 |
| C | Interiors | \$16,793,857 | \$13,748,466 | \$14,700,692 | \$21,475,775 | \$13,308,500 | \$6,504,667 | \$10,815,632 | \$22,311,169 |
| D | Services | \$29,610,267 | \$25,631,184 | \$19,574,104 | \$43,459,701 | \$22,861,600 | \$30,349,460 | \$16,602,130 | \$36,897,131 |
| | D10 Conveying | \$327,000 | \$365,350 | \$405,000 | \$740,000 | \$225,000 | \$334,250 | \$310,525 | \$377,074 |
| | D20 Plumbing | \$4,310,240 | \$3,556,828 | \$2,727,760 | \$5,971,978 | \$3,309,000 | \$3,208,448 | \$2,055,770 | \$4,923,262 |
| | D30 HVAC | \$11,597,500 | \$11,305,292 | \$8,141,729 | \$18,949,221 | \$9,562,500 | \$14,195,608 | \$6,365,693 | \$14,007,717 |
| | D40 Fire Protection | \$1,622,980 | \$1,238,678 | \$1,021,835 | \$2,755,200 | \$1,088,100 | \$1,628,294 | \$992,625 | \$1,529,975 |
| | D50 Electrical Utilities | \$11,752,547 | \$9,165,036 | \$7,277,780 | \$15,043,302 | \$8,677,000 | \$10,982,860 | \$6,877,517 | \$16,059,103 |
| E | Furnishings & Fixed Equipment | \$5,872,590 | \$5,883,466 | \$2,525,388 | \$4,739,258 | \$2,697,200 | \$345,835 | \$4,179,673 | \$6,668,705 |
| | 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 | \$105,012,370 |
| 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 | \$4,298,200 |
| G | Other Site Construction | \$13,223,137 | \$8,784,416 | \$8,783,777 | \$21,944,804 | \$9,237,900 | \$813,153 | \$11,160,446 | \$20,575,764 |
| | G10 Site Preparation | \$2,322,677 | \$2,457,415 | \$2,071,146 | \$6,434,250 | \$2,043,000 | \$390,618 | \$1,779,286 | \$6,911,203 |
| | G20 Site Improvements | \$7,501,210 | \$3,622,404 | \$4,674,490 | \$12,818,914 | \$4,512,500 | \$332,035 | \$6,580,306 | \$8,917,481 |
| | G30 Mechanical Utilities | \$1,729,100 | \$1,323,597 | \$908,445 | \$1,856,668 | \$2,356,100 | \$90,500 | \$1,881,104 | \$3,141,045 |
| | G40 Electrical Utilities | \$1,670,150 | \$1,381,000 | \$1,129,696 | \$834,972 | \$326,300 | \$0 | \$919,750 | \$1,606,035 |
| | Other Site Construction | | | | \$0 | \$0 | \$0 | \$0 | \$0 |
| | Subtotal | \$105,667,383 | \$83,666,897 | \$70,310,300 | \$144,046,900 | \$76,890,800 | \$51,430,765 | \$64,671,335 | \$129,886,334 |
| Z | Mark-Ups | \$28,766,422 | \$26,840,326 | \$21,286,127 | \$38,483,421 | \$21,125,900 | \$16,105,233 | \$15,090,574 | \$33,496,327 |
| Z | Insurance | \$12,435,144 | \$1,572,592 | \$988,762 | \$2,373,693 | \$1,473,400 | \$942,309 | \$763,536 | \$2,246,382 |
| Z | Subcontractor Bond | | \$1,139,006 | \$1,074,742 | \$3,484,770 | \$842,000 | \$1,322,215 | \$501,261 | \$1,402,468 |
| 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 | \$11,689,770 |
| Z | General Conditions | | \$9,004,650 | \$7,619,380 | \$14,288,470 | \$4,613,400 | \$4,379,086 | \$5,326,993 | \$9,694,298 |
| 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 | \$4,216,126 |
| Z | GMP Contingency | \$2,700,186 | \$3,271,689 | \$1,719,587 | \$3,123,280 | \$0 | \$2,868,294 | \$0 | \$4,247,283 |
| | Construction Subtotal | \$134,433,805 | \$110,507,223 | \$91,596,427 | \$182,530,321 | \$98,016,700 | \$67,535,998 | \$79,761,909 | \$163,382,661 |
| Z | 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 | \$9,478,520 |
| | Total Construction Cost | \$140,773,848 | \$119,200,892 | \$97,228,730 | \$199,051,710 | \$104,223,800 | \$70,509,857 | \$82,769,898 | \$172,861,181 |
| | Cost per Square Foot | \$433 | \$462 | \$453 | \$539 | \$472 | \$241 | \$497 | \$480 |
| Bid Alternates | | | \$6,516,200 | \$3,732,461 | \$0 | \$0 | \$0 | \$812,500 | \$0 |
| CM Pre-Construction Services | \$250,000 | \$420,000 | \$150,000 | \$696,198 | \$0 | \$0 | \$181,000 | \$0 | \$250,000 |
| Construction Contingency | \$7,150,111 | \$5,000,000 | \$4,038,448 | \$12,764,470 | \$3,126,700 | \$3,200,000 | \$4,138,495 | \$8,643,059 | \$8,643,059 |
| Designer | \$15,085,710 | \$11,393,800 | \$10,551,120 | \$22,805,171 | \$11,050,549 | \$7,365,986 | \$9,202,200 | \$15,157,794 | \$15,157,794 |
| 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 | \$4,467,802 | \$4,467,802 |
| FF&E/IT | \$5,071,500 | \$1,507,200 | \$2,756,000 | \$5,096,000 | \$3,306,500 | \$175,000 | \$2,543,040 | \$5,680,000 | \$5,680,000 |
| Legal Fees | \$100,000 | \$0 | \$20,000 | \$10,000 | \$0 | \$75,000 | \$20,000 | \$50,000 | \$50,000 |
| Other Soft Costs | \$1,250,000 | \$2,035,396 | \$462,000 | \$3,790,000 | \$743,800 | \$500,000 | \$516,000 | \$730,000 | \$730,000 |
| Owner's Contingency | \$1,311,472 | \$1,192,009 | \$972,287 | \$1,672,199 | \$1,873,700 | \$300,000 | \$413,849 | \$2,131,404 | \$2,131,404 |
| | Total Project Budget *** | \$175,997,289 | \$151,438,680 | \$123,540,688 | \$255,982,704 | \$128,062,881 | \$84,862,768 | \$103,475,101 | \$209,971,240 |
| Bid Alternates | \$0 | \$6,516,200 | \$0 | \$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 | \$6,914,447 | \$6,914,447 |
| Scope Exclusions | \$40,644,736 | \$40,095,359 | \$34,324,555 | \$82,551,497 | \$32,207,304 | \$3,595,523 | \$29,504,859 | \$58,592,691 | \$58,592,691 |
| | 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 | \$144,464,102 |
| | Reimbursement Rate | 56.99% | 44.75% | 60.66% | 75.29% | 45.45% | 55.89% | 61.29% | 80.00% |
| | Maximum Facilities Grant | \$73,757,891 | \$45,206,061 | \$52,258,573 | \$123,963,307 | \$42,585,439 | \$44,419,942 | \$43,304,369 | \$115,571,282 |

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

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High Schools

April 2023 Board Meeting

The information and data contained in this spreadsheet, for construction projects starting January 2014, 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, for example, and 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. 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 | Dec-17 | Feb-18 | Feb-18 | Aug-18 | Feb-19 | Apr-19 | Apr-19 | Apr-19 | |
|-------------------------------|---|-------------------------------|---------------------------|---------------------------|---------------------------------------|-------------------------------------|---------------------------|---------------------------------|---------------------|
| District | Boston ⁸ | Attleboro ⁹ | Fall River ¹⁰ | Belmont ¹¹ | Waltham ¹² | Pentucket ¹³ | Arlington ¹⁴ | Central Berkshire ¹⁵ | |
| School Name | Boston Arts Academy | Attleboro HS | B M C Durfee HS | Belmont HS | Waltham Sr HS | Pentucket Regional Sr HS | Arlington HS | Wahconah Regional HS | |
| Construction Type | New Construction | New Construction | Addition / Renovation | Addition / Renovation | New Construction | New Construction | New Construction | New Construction | |
| Enrollment | 500 | 1,725 | 2,570 | 2,215 | 1,830 | 965 | 1,755 | 460 | |
| GSF | 153,476 | 476,425 | 501,330 | 445,100 | 414,854 | 211,700 | 408,590 | 122,760 | |
| Assumed Start of Construction | Sep-18 | May-19 | Aug-18 | Apr-19 | Nov-21 | Apr-20 | Apr-19 | Mar-20 | |
| OPM | PMA Consultants, LLC | Skanska USA Building, Inc | Leftfield, LLC | CHA Consulting, Inc. | Leftfield, LLC | Vertex (Eng.) Construction Services | Skanska USA Building, Inc | Skanska USA Building, Inc | |
| Designer | Perkins Eastman/DPC | Kaestle Boos Associates, Inc. | Ai3 Architects LLC | Perkins+Will | Symmes Maini & McKee Associates, Inc. | Dore & Whittier Architects, Inc. | HMFH Architects, Inc. | Drummeay Rosane Anderson, Inc. | |
| Cost Estimator | Project Management & Cost | 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 | \$5,999,651 | \$7,491,254 | \$10,040,225 | \$12,811,842 | \$13,575,890 | \$5,055,863 | \$13,474,721 | \$2,187,846 |
| B | Shell | \$21,370,653 | \$42,865,549 | \$40,325,550 | \$45,255,237 | \$46,763,979 | \$24,992,845 | \$47,397,378 | \$13,238,981 |
| B10 | Superstructure | \$9,050,697 | \$19,192,257 | \$15,066,451 | \$19,448,977 | \$16,961,758 | \$8,901,362 | \$21,791,712 | \$4,921,782 |
| B20 | Exterior Enclosure | \$10,492,688 | \$17,912,962 | \$20,698,812 | \$22,017,933 | \$24,924,453 | \$13,305,293 | \$21,017,633 | \$6,567,161 |
| | B2010 Exterior Walls | \$5,325,295 | \$10,363,543 | \$20,698,812 | \$22,017,933 | \$16,444,485 | \$8,147,648 | \$13,176,119 | \$6,567,161 |
| | B2020 Exterior Windows | \$5,048,704 | \$7,258,819 | \$0 | \$6,851,259 | \$8,194,385 | \$4,922,565 | \$7,543,582 | \$0 |
| | B2030 Exterior Doors | \$118,689 | \$290,600 | \$0 | \$203,770 | \$285,583 | \$235,080 | \$297,932 | \$0 |
| B30 | Roofing | \$1,827,268 | \$5,760,330 | \$4,560,237 | \$3,788,327 | \$4,877,768 | \$2,786,190 | \$4,588,033 | \$1,750,038 |
| C | Interiors | \$13,817,948 | \$25,504,031 | \$31,331,576 | \$30,971,091 | \$34,596,365 | \$13,668,593 | \$30,023,786 | \$8,304,518 |
| D | Services | \$19,195,122 | \$50,329,674 | \$49,815,273 | \$53,904,660 | \$51,359,205 | \$23,241,404 | \$49,299,133 | \$14,341,661 |
| D10 | Conveying | \$626,800 | \$320,000 | \$394,300 | \$407,000 | \$422,675 | \$375,000 | \$615,000 | \$130,000 |
| D20 | Plumbing | \$2,794,847 | \$6,729,300 | \$6,886,573 | \$6,636,640 | \$7,612,924 | \$3,116,925 | \$6,656,440 | \$1,781,270 |
| D30 | HVAC | \$8,064,262 | \$19,959,264 | \$19,130,818 | \$25,050,557 | \$24,449,711 | \$10,455,885 | \$25,607,633 | \$5,806,998 |
| D40 | Fire Protection | \$895,038 | \$2,027,300 | \$2,193,247 | \$2,008,225 | \$2,442,470 | \$1,011,715 | \$2,042,950 | \$597,485 |
| D50 | Electrical Utilities | \$6,814,175 | \$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 | \$4,065,020 | \$8,792,157 | \$7,241,448 | \$8,528,615 | \$6,573,749 | \$3,524,653 | \$5,844,282 | \$2,378,322 |
| | Building Value Engineering | | \$0 | \$0 | | | | | |
| | Building Subtotal | \$64,448,394 | \$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 | \$2,554,140 | \$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 | \$1,379,290 | \$15,707,685 | \$17,080,054 | \$14,350,958 | \$32,929,683 | \$16,592,585 | \$18,625,642 | \$4,759,272 |
| G10 | Site Preparation | \$295,958 | \$2,861,393 | \$3,116,961 | \$3,116,961 | \$32,783,529 | \$3,952,646 | \$5,704,532 | \$1,387,025 |
| G20 | Site Improvements | \$608,502 | \$12,846,292 | \$8,783,373 | \$9,290,810 | \$138,154 | \$6,929,449 | \$8,712,200 | \$2,242,366 |
| G30 | Mechanical Utilities | \$302,080 | \$0 | \$4,346,370 | \$1,455,400 | \$8,000 | \$2,001,980 | \$1,548,710 | \$904,977 |
| G40 | Electrical Utilities | \$172,750 | \$0 | \$833,350 | \$1,612,875 | \$0 | \$461,280 | \$2,660,200 | \$224,904 |
| | Other Site Construction | \$0 | \$0 | \$0 | | \$31,353,309 | \$3,247,230 | | |
| | Subtotal | \$68,381,824 | \$158,546,350 | \$163,279,701 | \$175,558,778 | \$218,173,790 | \$91,276,041 | \$172,079,042 | \$46,360,600 |
| Z | Mark-Ups | \$22,466,346 | \$46,940,391 | \$41,847,362 | \$49,815,631 | \$63,250,000 | \$22,746,631 | \$47,720,671 | \$10,926,931 |
| Z | Insurance | \$1,168,050 | \$2,653,742 | \$4,019,538 | \$3,910,468 | \$3,500,000 | \$2,021,200 | \$2,214,657 | \$560,366 |
| Z | Subcontractor Bond | \$801,038 | \$2,369,412 | \$0 | \$2,350,000 | \$2,350,000 | \$1,509,994 | \$840,549 | \$0 |
| Z | Design & Pricing Contingency | \$6,838,182 | \$15,631,941 | \$16,327,970 | \$14,946,558 | \$21,500,000 | \$9,127,604 | \$13,766,323 | \$3,255,742 |
| Z | General Conditions | \$8,655,546 | \$8,640,000 | \$0 | \$22,471,465 | \$21,500,000 | \$8,068,609 | \$18,493,299 | \$3,674,337 |
| Z | Overhead & Profit / GMP Fee | \$2,274,332 | \$12,432,589 | \$4,451,569 | \$5,990,000 | \$5,990,000 | \$2,480,000 | \$5,029,885 | \$1,351,778 |
| Z | GMP Contingency | \$2,729,198 | \$5,212,707 | \$2,804,329 | \$4,035,571 | \$8,500,000 | \$1,049,218 | \$6,706,513 | \$1,244,159 |
| | Construction Subtotal | \$90,848,170 | \$205,486,741 | \$205,127,063 | \$225,374,409 | \$281,423,790 | \$114,022,672 | \$219,799,713 | \$57,287,531 |
| | Project Scope Adjustments | | \$17,601,571 | | \$5,364,960 | | | | |
| Z | Escalation to Construction Mid-Point | \$5,128,637 | | \$7,347,587 | \$11,273,198 | \$17,500,000 | \$4,518,164 | \$15,487,114 | \$2,297,501 |
| | Total Construction Cost | \$95,976,807 | \$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 | \$625 | \$468 | \$435 | \$532 | \$721 | \$560 | \$576 | \$485 |
| | Bid Alternates | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| | CM Pre-Construction Services | \$500,000 | \$350,000 | \$270,000 | \$446,582 | \$600,000 | \$212,700 | \$500,000 | \$200,000 |
| | Construction Contingency | \$6,718,376 | \$2,230,883 | \$6,321,740 | \$14,200,000 | \$14,946,190 | \$5,215,797 | \$7,075,741 | \$2,103,058 |
| | Designer | \$11,723,293 | \$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 | \$3,914,122 | \$7,710,985 | \$7,485,500 | \$7,746,000 | \$10,053,348 | \$4,370,642 | \$7,837,328 | \$2,095,000 |
| | FF&E/IT | \$2,200,000 | \$4,140,000 | \$6,168,000 | \$7,088,000 | \$9,774,632 | \$2,895,000 | \$8,073,000 | \$1,497,000 |
| | Legal Fees | \$100,000 | \$0 | \$20,000 | \$100,000 | \$0 | \$10,000 | \$100,000 | \$20,000 |
| | Other Soft Costs | \$2,855,000 | \$1,150,000 | \$1,150,000 | \$4,200,000 | \$1,690,000 | \$550,000 | \$4,198,198 | \$400,000 |
| | Owner's Contingency | \$767,814 | \$1,170,000 | \$2,143,920 | \$2,000,000 | \$2,989,238 | \$1,185,408 | \$2,769,807 | \$701,019 |
| | Total Project Budget *** | \$124,755,412 | \$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 | \$5,758,608 | \$1,215,489 | \$2,636,613 | \$9,467,048 | \$11,956,952 | \$47,773,536 | \$4,722,873 | \$1,507,208 |
| | Scope Exclusions | \$49,491,816 | \$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 | \$69,504,988 | \$190,470,543 | \$213,024,753 | \$198,454,269 | \$186,138,342 | \$94,528,403 | \$173,072,867 | \$52,679,942 |
| | Reimbursement Rate | 70.36% | 66.65% | 80.00% | 40.66% | 65.71% | 57.63% | 49.72% | 59.44% |
| | Maximum Facilities Grant | \$48,903,710 | \$126,948,617 | \$170,419,802 | \$80,691,506 | \$122,311,505 | \$54,476,719 | \$86,051,829 | \$31,312,958 |

8 - Boston - Max. Facilities Grant reflects the recovery of \$13,090.

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:

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

High Schools

April 2023 Board Meeting

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| 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 |
| Construction Type | 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 | |
| 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 | \$5,639,966 | \$6,443,745 | \$0 | \$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 | \$8,073,056 | \$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 | \$1,532,526 | \$4,219,132 | \$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 | \$59,558,263 | \$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 | \$979,253 | \$939,998 | \$1,949,020 | \$2,624,843 | \$1,774,629 | \$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 | \$7,809,583 | \$8,225,000 | \$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 | \$0 | \$5,857,369 | \$5,430,976 | \$3,332,122 | \$0 |
| | 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 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| | CM Pre-Construction Services | \$800,000 | \$400,000 | \$450,000 | \$0 | \$700,000 | \$450,000 | \$258,528 | \$0 |
| | 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 | \$29,100,000 | \$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 | \$0 | \$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 | \$0 | \$0 | \$0 | \$0 | \$0 | \$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 \$692,543
 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.

Information as of:

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

High Schools

April 2023
Board Meeting

The information and data contained in this spreadsheet, for construction projects starting January 2014, 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, for example, and 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. 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 | Dec-21 | Mar-22 | Mar-22 | Jun-22 | Dec-22 | | |
|---|--|----------------------------------|----------------------------------|--|---------------------------------------|-------------------------------------|------------------------|
| District | Greater Fall River Regional Voc Tech ²⁴ | Watertown ²⁵ | Webster ²⁶ | Spencer-East Brookfield Regional School District ²⁷ | Wakefield ²⁸ | TOTAL ALL HIGH SCHOOLS | |
| School Name | Diman Regional Voc Tech HS | Watertown HS | Bartlett Jr Sr HS Sch | David Prouty High School | Wakefield Memorial High | | |
| Construction Type | New Construction | New Construction | Addition / Renovation | Addition / Renovation | New Construction | | |
| Enrollment | 1,500 | 720 | 445 | 305 | 1,000 | | |
| GSF | 394,650 | 258,914 | 161,436 | 126,823 | 259,847 | | |
| Assumed Start of Construction | May-23 | Jul-23 | Nov-23 | | Apr-24 | | |
| OPM | Colliers Project Leaders NE, LLC | Compass Project Management, Inc. | Colliers Project Leaders NE, LLC | Colliers Project Leaders NE, LLC | Leftfield, LLC | | |
| Designer | Kaestle Boos Associates, Inc. | Ai3 Architects LLC | Flansburgh Associates, Inc. | Jones Whitsett Architects, Inc. | Symmes Maini & McKee Associates, Inc. | | |
| Cost Estimator | Project Management & Cost | Project Management & Cost | Project Management & Cost | Project Management & Cost | Project Management & Cost | | |
| Division # | Description of Work | | | | | | |
| A | Substructure | \$9,840,500 | \$6,735,836 | \$1,089,600 | \$2,930,361 | \$10,629,299 | \$213,872,686 |
| B | Shell | \$42,326,400 | \$32,185,197 | \$10,938,700 | \$16,105,979 | \$41,522,941 | \$986,869,252 |
| B10 | Superstructure | \$23,775,200 | \$14,511,532 | \$2,991,000 | \$4,744,897 | \$17,732,892 | \$401,040,060 |
| B20 | Exterior Enclosure | \$15,020,400 | \$14,888,702 | \$4,919,800 | \$7,610,306 | \$17,243,021 | \$455,229,806 |
| B2010 | Exterior Walls | \$0 | \$8,400,237 | \$2,807,800 | \$5,060,827 | \$10,524,501 | \$282,376,627 |
| B2020 | Exterior Windows | \$0 | \$6,199,325 | \$1,883,300 | \$2,341,893 | \$6,583,870 | \$128,154,580 |
| B2030 | Exterior Doors | \$0 | \$289,140 | \$228,700 | \$207,586 | \$134,650 | \$7,454,394 |
| B30 | Roofing | \$3,530,800 | \$2,784,963 | \$3,027,900 | \$3,750,776 | \$6,547,028 | \$130,599,386 |
| C | Interiors | \$27,407,000 | \$18,544,435 | \$8,397,500 | \$9,838,720 | \$27,892,459 | \$666,861,957 |
| D | Services | \$63,475,200 | \$32,971,131 | \$19,978,900 | \$17,507,194 | \$49,027,871 | \$1,184,765,418 |
| D10 | Conveying | \$538,400 | \$742,925 | \$240,000 | \$279,937 | \$439,800 | \$14,444,075 |
| D20 | Plumbing | \$7,741,400 | \$3,840,493 | \$3,056,400 | \$2,395,095 | \$6,198,105 | \$160,256,232 |
| D30 | HVAC | \$36,597,100 | \$11,393,814 | \$8,927,600 | \$7,754,239 | \$25,711,209 | \$531,112,486 |
| D40 | Fire Protection | \$2,426,100 | \$1,571,344 | \$929,900 | \$759,558 | \$2,029,113 | \$56,778,408 |
| D50 | Electrical Utilities | \$16,172,200 | \$15,422,555 | \$6,825,000 | \$6,318,365 | \$14,649,644 | \$422,174,217 |
| E | Furnishings & Fixed Equipment | \$8,131,100 | \$3,621,296 | \$1,876,900 | \$2,645,108 | \$6,448,896 | \$170,830,410 |
| | Building Value Engineering | | | | | | \$0 |
| | Building Subtotal | \$151,180,200 | \$94,057,895 | \$42,281,600 | \$49,027,362 | \$135,521,466 | \$3,223,199,723 |
| F | Special Construction & Demo | \$9,118,794 | \$7,528,451 | \$3,301,000 | \$3,763,279 | \$4,858,776 | \$186,082,077 |
| G | Other Site Construction | \$20,127,300 | \$6,164,436 | \$5,428,800 | \$14,020,292 | \$20,309,510 | \$469,975,451 |
| G10 | Site Preparation | \$3,791,900 | \$1,046,761 | \$1,024,000 | \$3,212,173 | \$4,999,532 | \$148,407,419 |
| G20 | Site Improvements | \$11,778,200 | \$2,500,565 | \$3,061,100 | \$6,364,601 | \$8,297,202 | \$212,272,482 |
| G30 | Mechanical Utilities | \$2,917,900 | \$2,178,010 | \$741,900 | \$2,502,245 | \$4,960,168 | \$71,085,588 |
| G40 | Electrical Utilities | \$1,639,300 | \$439,100 | \$601,800 | \$1,941,273 | \$2,052,608 | \$34,962,732 |
| | Other Site Construction | \$0 | \$150,000 | \$7,732,400 | \$0 | \$0 | \$54,329,176 |
| | Subtotal | \$180,426,294 | \$107,900,782 | \$58,743,800 | \$66,810,933 | \$160,689,752 | \$3,930,339,197 |
| Z | Mark-Ups | \$52,829,700 | \$24,459,837 | \$15,469,800 | \$18,764,276 | \$46,828,023 | \$1,075,293,709 |
| Z | Insurance | \$2,505,200 | \$1,413,559 | \$625,000 | \$1,875,455 | \$2,625,020 | \$80,920,613 |
| Z | Subcontractor Bond | \$2,455,700 | \$1,124,833 | \$910,600 | \$0 | \$3,712,091 | \$39,899,952 |
| Z | Design & Pricing Contingency | \$18,035,100 | \$10,790,078 | \$6,063,700 | \$5,338,416 | \$17,255,472 | \$373,040,323 |
| Z | General Conditions | \$19,127,400 | \$7,749,630 | \$5,547,500 | \$7,057,599 | \$14,416,696 | \$324,710,588 |
| Z | Overhead & Profit / GMP Fee | \$5,850,100 | \$3,381,737 | \$2,323,000 | \$2,113,244 | \$4,504,876 | \$161,097,235 |
| Z | GMP Contingency | \$4,856,200 | \$0 | \$0 | \$2,379,562 | \$4,313,868 | \$95,624,998 |
| | Construction Subtotal | \$233,255,994 | \$132,360,619 | \$74,213,600 | \$85,575,209 | \$207,517,775 | \$5,005,632,906 |
| | Project Scope Adjustments | | | | | | \$22,966,531 |
| Z | Escalation to Construction Mid-Point | \$9,044,300 | \$6,290,616 | \$3,972,300 | \$5,642,465 | \$12,941,604 | \$253,587,674 |
| | Total Construction Cost | \$242,300,294 | \$138,651,235 | \$78,185,900 | \$91,217,674 | \$220,459,379 | \$5,282,187,111 |
| | Cost per Square Foot | \$614 | \$536 | \$484 | \$719 | \$848 | |
| Bid Alternates | \$1,987,500 | \$0 | \$0 | \$0 | \$3,438,360 | \$21,563,516 | |
| CM Pre-Construction Services | \$150,000 | \$0 | \$0 | \$150,000 | \$340,000 | \$9,810,008 | |
| Construction Contingency | \$7,269,009 | \$6,932,561 | \$4,000,000 | \$2,750,000 | \$11,022,969 | \$246,862,026 | |
| Designer | \$23,436,569 | \$15,947,891 | \$9,472,300 | \$10,226,767 | \$23,666,410 | \$558,849,484 | |
| OPM & other Professional services | \$8,926,884 | \$5,202,429 | \$3,020,844 | \$3,882,618 | \$8,719,191 | \$196,577,792 | |
| FF&E/IT | \$3,600,000 | \$3,456,000 | \$1,602,000 | \$1,185,000 | \$4,300,000 | \$153,789,897 | |
| Legal Fees | \$75,000 | \$35,000 | \$0 | \$0 | \$0 | \$1,336,000 | |
| Other Soft Costs | \$2,100,000 | \$28,742,164 | \$3,136,000 | \$675,000 | \$1,100,000 | \$82,633,078 | |
| Owner's Contingency | \$3,634,504 | \$2,494,393 | \$2,000,000 | \$1,500,000 | \$2,204,594 | \$71,644,740 | |
| | Total Project Budget *** | \$293,479,760 | \$201,461,673 | \$101,417,044 | \$111,587,059 | \$275,250,903 | \$6,625,253,652 |
| Bid Alternates | \$0 | \$0 | \$0 | \$0 | \$0 | \$11,592,695 | |
| Ineligible Costs & Contingency | \$7,269,009 | \$7,347,186 | \$3,654,423 | \$1,513,470 | \$9,920,672 | \$233,544,267 | |
| Scope Exclusions | \$99,828,376 | \$102,114,488 | \$30,917,151 | \$46,958,997 | \$159,580,668 | \$2,040,907,560 | |
| Basis for Total Facilities Grant | \$186,382,375 | \$91,999,999 | \$66,845,470 | \$63,114,592 | \$105,749,563 | \$4,339,209,130 | |
| Reimbursement Rate | 79.77% | 49.33% | 80.00% | 74.19% | 53.14% | | |
| Maximum Facilities Grant | \$148,677,221 | \$45,383,600 | \$53,476,376 | \$46,824,716 | \$56,195,318 | \$2,774,433,619 | |

24 - Greater Fall River RSD - The Maximum Facilities Grant reflects the recovery of -\$5,282.

25 - Watertown High - The Maximum Facilities Grant reflects the recovery of -\$74,285.

26 - Webster Bartlett Jr Sr High Sch - The Maximum Facilities Grant reflects the recovery of -\$22,577.

27 - Spencer-East Brookfield Regional School District David Prouty High School - The Maximum Facilities Grant reflects the recovery of -\$4,414.

28 - Wakefield Memorial - The Maximum Facilities Grant reflects the recovery of -\$63,288