

Information as of:

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

Elementary School

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	Nov-12	Jan-13	Oct-13	Oct-13	Jan-14	Mar-14	Mar-14	Jan-15	
District	South Hadley	Revere	Athol-Royalston	Newton	Gloucester	Milford ¹	Northborough	Worcester	
School Name	Plains ES	Staff Sargent James J. Hill ES	Athol Community ES	A E Angier	West Parish	Woodland	Lincoln Street	Nelson Place	
Construction Type	New Construction	New Construction	New Construction	New Construction	New Construction	New Construction	Addition / Renovation	New Construction	
Enrollment	270	690	545	465	355	985	270	600	
GSF	63,377	103,650	95,726	74,960	65,679	132,539	52,920	111,256	
Assumed Start of Construction	May-14	Jan-14	Nov-14	Jun-14	Sep-14	Mar-15	Apr-15	Jul-15	
OPM	Arcadis U.S., Inc.	Hill International Company	Symmes Maini & McKee Associates	NV5 (fka Joslin, Lesser + Associates Inc.)	Knight, Bagge & Anderson Inc.	NV5 (fka Joslin, Lesser + Associates Inc.)	Colliers Project Leaders NE, LLC	Tishman Construction Corporation of MA	
Designer	Jones Whitsett Architects, Inc.	Drummeay Rosane Anderson, Inc.	Mount Vernon Group Architects, Inc.	DiNisco Design, Inc.	Dore & Whittier Architects, Inc.	HMFH Architects, Inc.	Lamoureux Pagano Associates Architects, Inc.	Lamoureux Pagano Associates Architects, Inc.	
Cost Estimator	Project Management & Cost	CostPro, Inc.	Project Management & Cost	A M Fogarty & Associates Inc.	Project Management & Cost	Project Management & Cost	A M Fogarty & Associates Inc.	A M Fogarty & Associates Inc.	
Division	Description of Work		Total Costs						
A	Substructure	\$1,046,531	\$3,019,856	\$1,280,000	\$739,962	\$2,265,570	\$1,591,121	\$343,700	\$2,451,078
B	Shell	\$5,726,957	\$8,728,482	\$8,016,000	\$6,434,732	\$7,066,238	\$10,174,385	\$2,476,600	\$9,012,695
B10	Superstructure	\$1,705,479	\$3,366,282	\$2,753,000	\$1,363,387	\$2,143,916	\$4,129,417	\$547,500	\$3,474,422
B20	Exterior Enclosure	\$2,577,253	\$4,468,123	\$3,839,000	\$4,282,400	\$3,775,080	\$5,282,337	\$1,282,500	\$3,943,520
B2010	Exterior Walls	\$1,000,000	\$2,749,415	-	\$2,158,242	\$2,813,826	\$3,008,068	\$763,300	\$2,483,043
B2020	Exterior Windows	\$1,000,000	\$1,679,028	-	\$1,049,069	\$893,595	\$2,165,809	\$409,200	\$1,352,472
B2030	Exterior Doors	\$577,253	\$39,680	-	\$73,459	\$67,659	\$108,460	\$110,000	\$108,005
B30	Roofing	\$1,444,225	\$894,077	\$1,424,000	\$788,945	\$1,147,242	\$762,631	\$646,600	\$1,594,753
C	Interiors	\$2,516,455	\$4,306,789	\$4,192,000	\$3,500,974	\$3,713,390	\$6,888,103	\$2,586,600	\$6,227,454
D	Services	\$4,532,413	\$7,368,067	\$7,613,359	\$6,082,880	\$5,546,674	\$11,702,627	\$4,440,600	\$9,532,738
D10	Conveying	\$116,500	\$113,000	\$81,000	\$120,000	\$103,000	\$113,000	\$22,500	\$223,720
D20	Plumbing	\$541,380	\$1,160,665	\$910,000	\$858,268	\$833,502	\$1,385,883	\$564,600	\$1,347,730
D30	HVAC	\$2,171,337	\$3,247,892	\$3,704,359	\$2,651,875	\$2,469,328	\$5,991,050	\$1,952,300	\$4,032,588
D40	Fire Protection	\$259,465	\$429,655	\$471,000	\$306,931	\$271,276	\$595,335	\$226,500	\$446,800
D50	Electrical Utilities	\$1,443,731	\$2,416,855	\$2,447,000	\$2,145,806	\$1,869,568	\$3,617,359	\$1,674,700	\$3,481,900
E	Furnishings & Fixed Equipment	\$841,925	\$886,774	\$1,059,000	\$1,552,469	\$1,068,930	\$1,497,209	\$897,400	\$2,279,599
	Building Value Engineering								
	Building Subtotal	\$14,664,281	\$24,309,968	\$22,160,359	\$18,311,017	\$19,660,802	\$31,853,445	\$10,744,900	\$29,503,564
F	Special Construction & Demo	\$676,000			\$909,863	\$796,000	\$888,884	\$701,700	\$1,066,510
G	Other Site Construction	\$2,143,874	\$2,633,282	\$5,058,000	\$1,980,895	\$2,607,230	\$5,205,236	\$2,254,100	\$5,202,096
G10	Site Preparation	\$329,447	\$421,476	\$1,663,000	\$363,653	\$405,803	\$939,269	\$430,100	\$1,574,851
G20	Site Improvements	\$926,333	\$1,269,525	\$2,079,000	\$889,136	\$1,589,432	\$2,796,679	\$1,295,400	\$2,382,009
G30	Mechanical Utilities	\$623,424	\$748,771	\$821,000	\$452,029	\$347,345	\$1,075,419	\$365,000	\$982,853
G40	Electrical Utilities	\$264,670	\$193,510		\$275,877	\$264,650	\$393,869	\$163,600	\$262,383
	Other Site Construction					\$0			
	Subtotal	\$17,484,155	\$26,943,250	\$27,218,359	\$21,201,575	\$23,064,032	\$37,947,565	\$13,700,700	\$35,772,170
Z	Mark-Ups	\$3,642,562	\$5,877,086	\$6,586,614	\$4,394,142	\$6,394,042	\$8,916,376	\$3,713,000	\$9,378,942
Z	Insurance	\$174,842	\$369,012		\$229,585	\$288,300	\$507,314		\$313,797
Z	Subcontractor Bond	\$113,647	\$191,886	\$440,987	\$181,251	\$149,916	\$345,896	\$259,100	\$395,384
Z	Design & Pricing Contingency	\$1,780,499	\$3,008,188	\$3,072,813	\$1,674,341	\$2,726,861	\$3,415,281	\$1,485,000	\$2,995,036
Z	General Conditions	\$1,049,049	\$1,500,000	\$2,177,751	\$1,768,965	\$2,075,763	\$3,083,803	\$1,512,800	\$2,310,000
Z	Overhead & Profit / GMP Fee	\$524,525	\$808,000	\$895,063	\$540,000	\$691,921	\$900,000	\$456,100	\$2,166,711
Z	CM@Risk Contingency					\$461,281	\$664,082		\$1,198,014
	Construction Subtotal	\$21,126,717	\$32,820,336	\$33,804,973	\$25,595,717	\$29,458,074	\$46,863,941	\$17,413,700	\$45,151,112
Z	Project Scope Adjustments								
Z	Escalation to Construction Mid-Point	\$437,104	\$1,077,000	\$1,386,390	\$635,981	\$537,392	\$1,517,903	\$810,900	\$1,395,188
	Total Construction Cost	\$21,563,821	\$33,897,336	\$35,191,363	\$26,231,698	\$29,995,466	\$48,381,844	\$18,224,600	\$46,546,300
	Cost per Square Foot	\$340	\$327	\$368	\$350	\$457	\$365	\$344	\$418
Bid Alternates					\$3,948,259				
CM Preconstruction Services					\$123,600	\$175,000	\$140,000		\$151,000
Construction Contingency									
Designer	\$1,617,287	\$1,695,000	\$1,800,000	\$1,311,474	\$1,500,000	\$2,298,138	\$1,458,000	\$1,500,000	
OPM & other Professional services	\$2,520,000	\$3,471,000	\$3,471,000	\$2,992,567	\$3,749,120	\$5,208,677	\$2,340,500	\$5,081,128	
FF&E/IT	\$1,006,729	\$1,267,400	\$1,324,000	\$1,111,192	\$1,218,842	\$1,712,274	\$930,803	\$1,915,872	
Legal Fees	\$748,000	\$1,656,000	\$1,600,000	\$1,116,000	\$852,000	\$2,364,000	\$648,000	\$1,620,000	
Other Soft Costs		\$35,000	\$25,000				\$15,000		
Owner's Contingency	\$80,000	\$2,053,660	\$270,000	\$305,000	\$1,645,000	\$415,000	\$1,306,550	\$560,450	
	\$647,964	\$120,000	\$250,000	\$360,210	\$438,683	\$380,067	\$546,700	\$842,000	
	Total Project Budget *****	\$28,183,801	\$44,382,396	\$43,931,363	\$37,500,000	\$39,574,111	\$60,900,000	\$25,470,153	\$58,216,750
Bid Alternates					\$3,948,259	\$0			
Ineligible Costs & Contingency						\$1,200,045	\$1,814,320	\$1,093,508	\$1,034,537
Scope Exclusions	\$3,787,407	\$7,443,586	\$9,366,838	\$4,849,900	\$12,970,025	\$10,925,323	\$4,695,465	\$13,727,859	
Basis for Total Facilities Grant	\$24,396,394	\$36,938,810	\$34,564,525	\$28,701,841	\$25,404,041	\$48,160,357	\$19,681,180	\$43,454,354	
Reimbursement Rate	62.69%	80.00%	80.00%	40.10%	59.73%	59.94%	52.88%	80.00%	
Maximum Facilities Grant	\$15,294,099	\$29,551,048	\$27,651,620	\$11,509,438	\$15,173,834	\$28,867,318	\$10,407,408	\$34,763,483	

1 - Milford Woodland ES - The Maximum Facilities Grant includes cost recovery of \$784,771 in state funds.
 ***** Total Project Budget Value includes the cost of Alternates.

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Date Board Approved	Mar-15	Aug-15	Sep-15	Nov-15	Nov-15	Jan-16	Jul-16	Jul-16	
District	Woburn	New Bedford	Hopkinton	Carver	Narragansett	Granby	Hanover ²	Needham	
School Name	Wyman	John Hannigan	Center	Carver ES	Templeton Center	West Street ES	Sylvester	Hillside ES	
Construction Type	New Construction	New Construction	New Construction	New Construction	New Construction	Addition / Renovation	Addition / Renovation	New Construction	
Enrollment	410	400	395	750	580	430	560	430	
GSF	70,701	74,051	83,256	112,350	92,735	68,760	97,099	90,702	
Assumed Start of Construction	Apr-16	May-16	Dec-16	Sep-16	Oct-16	Feb-17	Jul-17	Nov-17	
OPM	Municipal Building Consultants, Inc.	CHA Consulting, Inc.	Compass Project Management, Inc.	PMA Consultants, LLC	Colliers Project Leaders NE, LLC	Colliers Project Leaders NE, LLC	P3 Inc.	Owner Employee	
Designer	DiNisco Design, Inc.	Turowski2 Architecture, Inc.	Drumme Rosane Anderson, Inc.	HMFH Architects, Inc.	Symmes Maini & McKee Associates, Inc.	Jones Whitsett Architects, Inc.	Mount Vernon Group Architects, Inc.	Dore & Whittier Architects, Inc.	
Cost Estimator	CostPro, Inc.	Project Management & Cost	VJ Associates of New England	A M Fogarty & Associates Inc.	CHA Consulting, Inc.	Project Management & Cost	Fennesy Consulting Services	Project Management & Cost	
Division	Description of Work	Total Costs							
A	Substructure	\$888,881	\$1,153,407	\$1,439,223	\$1,919,157	\$1,555,000	\$1,016,000	\$821,629	\$2,061,284
B	Shell	\$6,699,193	\$7,866,051	\$7,580,094	\$8,993,499	\$8,828,000	\$4,507,000	\$4,835,183	\$10,879,109
B10	Superstructure	\$2,371,245	\$2,760,205	\$2,536,510	\$3,240,141	\$3,240,141	\$1,179,000	\$1,330,033	\$3,389,580
B20	Exterior Enclosure	\$3,660,337	\$3,739,412	\$3,841,340	\$4,384,654	\$4,892,000	\$2,241,000	\$1,902,799	\$4,830,195
B2010	Exterior Walls	\$2,521,339	\$0	\$2,183,677	\$3,013,129	\$3,325,000	\$1,549,000	\$972,627	\$2,780,753
B2020	Exterior Windows	\$1,101,466	\$0	\$1,632,515	\$1,254,560	\$1,499,000	\$578,000	\$0	\$1,956,237
B2030	Exterior Doors	\$37,532	\$0	\$25,148	\$116,965	\$68,000	\$114,000	\$0	\$93,205
B30	Roofing	\$667,611	\$1,366,434	\$1,202,244	\$1,368,704	\$1,065,000	\$1,087,000	\$1,602,351	\$2,659,334
C	Interiors	\$3,943,755	\$3,536,210	\$4,894,994	\$5,543,110	\$4,953,000	\$3,242,000	\$3,343,363	\$5,718,816
D	Services	\$5,818,582	\$6,538,702	\$7,435,950	\$8,824,725	\$8,143,000	\$6,743,000	\$7,667,670	\$8,649,441
D10	Conveying	\$139,432	\$138,000	\$103,000	\$93,000	\$147,000	\$0	\$143,085	\$138,000
D20	Plumbing	\$801,520	\$948,658	\$1,144,413	\$1,195,753	\$1,111,000	\$973,000	\$762,655	\$1,168,311
D30	HVAC	\$2,685,224	\$2,847,476	\$2,829,514	\$3,618,612	\$3,582,000	\$3,022,000	\$3,344,960	\$4,046,974
D40	Fire Protection	\$321,690	\$313,420	\$400,465	\$625,980	\$468,000	\$571,000	\$292,847	\$408,159
D50	Electrical Utilities	\$1,870,716	\$2,291,148	\$2,958,558	\$3,291,380	\$2,835,000	\$2,177,000	\$3,124,123	\$2,887,997
E	Furnishings & Fixed Equipment	\$901,375	\$1,442,251	\$514,423	\$1,211,340	\$1,409,000	\$1,062,000	\$1,010,269	\$1,592,010
	Building Value Engineering								
	Building Subtotal	\$18,251,786	\$20,536,621	\$21,864,684	\$26,491,831	\$24,888,000	\$16,570,000	\$17,678,114	\$28,900,660
F	Special Construction & Demo	\$0	\$659,525		\$1,560,596	\$209,000	\$701,000	\$762,379	\$765,179
G	Other Site Construction	\$3,163,898	\$1,904,373	\$3,859,795	\$2,876,000	\$2,699,879	\$3,129,000	\$2,240,677	\$4,136,276
G10	Site Preparation	\$568,749	\$218,250	\$454,676	\$562,950	\$512,000	\$311,000	\$254,429	\$432,714
G20	Site Improvements	\$2,045,841	\$1,047,034	\$2,099,046	\$1,061,903	\$1,384,000	\$1,495,000	\$1,362,811	\$2,389,847
G30	Mechanical Utilities	\$443,388	\$316,989	\$921,523	\$969,526	\$747,000	\$1,003,000	\$482,919	\$966,020
G40	Electrical Utilities	\$105,920	\$322,100	\$384,550	\$105,500	\$233,000	\$320,000	\$140,518	\$347,695
	Other Site Construction	\$0	\$0	\$0	\$0	\$350,000	\$0	\$0	\$0
	Subtotal	\$21,415,684	\$23,100,519	\$25,724,479	\$30,752,306	\$28,323,000	\$20,400,000	\$20,681,170	\$33,802,115
Z	Mark-Ups	\$3,836,995	\$5,994,446	\$7,873,034	\$7,768,579	\$5,042,000	\$5,042,000	\$4,555,422	\$8,172,800
Z	Insurance	\$0	\$326,297	\$744,237	\$417,001	\$334,000	\$0	\$0	\$504,230
Z	Subcontractor Bond	\$0	\$261,038	\$0	\$338,000	\$347,501	\$400,000	\$0	\$403,383
Z	Design & Pricing Contingency	\$1,761,815	\$2,310,067	\$2,572,448	\$3,075,231	\$2,832,000	\$2,195,000	\$1,606,555	\$3,349,807
Z	General Conditions	\$2,075,180	\$1,950,000	\$3,236,808	\$2,759,008	\$2,759,000	\$1,755,000	\$2,088,345	\$2,600,000
Z	Overhead & Profit / GMP Fee	\$0	\$1,147,044	\$643,112	\$1,148,838	\$934,000	\$692,000	\$860,522	\$1,315,380
Z	CM@Risk Contingency	\$0	\$676,429	\$0	\$0	\$0	\$0	\$0	\$0
	Construction Subtotal	\$25,252,679	\$29,094,965	\$33,597,513	\$38,520,885	\$35,520,000	\$25,442,000	\$25,236,592	\$41,974,915
Z	Project Scope Adjustments								
Z	Escalation to Construction Mid-Point	\$1,765,162	\$697,767	\$1,543,469	\$922,569	\$1,002,000	\$1,011,000	\$839,080	\$3,490,499
	Total Construction Cost	\$27,017,841	\$29,792,732	\$35,140,982	\$39,443,454	\$36,522,000	\$26,453,000	\$26,075,672	\$45,465,414
	Cost per Square Foot	\$382.14	\$402	\$422	\$351	\$394	\$385	\$269	\$501.26
	Bid Alternates	\$0	\$0	\$0	\$1,983,313	\$0	\$0	\$0	\$0
	CM Preconstruction Services	\$0	\$0	\$100,000	\$0	\$0	\$0	\$0	\$0
	Construction Contingency	\$1,314,276	\$1,117,227	\$1,528,633	\$1,972,173	\$1,831,390	\$1,322,650	\$1,049,427	\$2,276,000
	Designer	\$3,295,887	\$3,440,738	\$3,926,412	\$4,587,443	\$4,530,226	\$3,077,000	\$2,821,662	\$5,396,000
	OPM & other Professional services	\$1,155,599	\$932,500	\$1,404,576	\$1,732,408	\$1,478,588	\$1,300,000	\$1,055,400	\$1,655,000
	FF&E/IT	\$1,077,000	\$960,000	\$1,090,678	\$1,800,000	\$2,113,000	\$1,032,000	\$1,344,000	\$1,075,000
	Legal Fees	\$25,000	\$0	\$15,000	\$20,000	\$20,000	\$20,000	\$0	\$0
	Other Soft Costs	\$270,000	\$429,000	\$2,111,000	\$155,000	\$368,000	\$343,000	\$50,000	\$7,764,000
	Owner's Contingency	\$492,120	\$75,000	\$312,092	\$259,794	\$700,000	\$661,325	\$50,000	\$2,276,000
	Total Project Budget *****	\$34,647,723	\$36,747,197	\$45,629,373	\$51,953,585	\$47,563,184	\$34,208,975	\$32,446,161	\$65,907,414
	Bid Alternates		\$0		\$1,983,313	\$0		\$0	\$0
	Ineligible Costs & Contingency	\$1,051,421	\$819,300	\$1,177,223	\$1,577,738	\$1,466,170	\$793,590	\$527,914	\$1,821,346
	Scope Exclusions	\$7,313,097	\$7,519,670	\$12,860,116	\$6,313,712	\$9,765,376	\$5,716,963	\$1,803,255	\$23,720,648
	Basis for Total Facilities Grant	\$26,283,205	\$28,408,227	\$31,592,034	\$42,078,822	\$36,331,638	\$27,698,422	\$30,114,992	\$40,365,420
	Reimbursement Rate	54.74%	80.00%	44.60%	59.47%	63.11%	63.63%	53.70%	34.72%
	Maximum Facilities Grant	\$14,387,426	\$22,726,582	\$14,058,455	\$25,024,275	\$22,928,897	\$17,624,506	\$16,171,751	\$14,014,874

2 - Hanover Sylvester ES - The Maximum Facilities Grant includes cost recovery of \$3,094 in state funds.

***** Total Project Budget Value includes the cost of Alternates.

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Date Board Approved	Nov-16	Nov-16	May-17	Jun-17	Aug-17	Feb-18	Feb-18	Apr-18	
District	Bourne	Newton	Millis	Triton	Lexington	Taunton	Ludlow	Marlborough	
School Name	Peebles ES	Cabot	Clyde Brown ES	Pine Grove	Maria Hastings ES	James L. Mulcahey ES	Chapin Street ES	Richer ES	
Construction Type	New Construction	Addition / Renovation	New Construction	Addition / Renovation	New Construction	New Construction	New Construction	New Construction - Model School	
Enrollment	460	480	515	415	645	735	630	610	
GSF	72,680	84,262	89,852	87,674	110,000	119,693	106,250	111,437	
Assumed Start of Construction	Nov-17	Jul-17	Nov-17	Apr-18	Sep-18	Jan-19	May-19	Jul-18	
OPM	Symmes Maini & McKee Associates, Inc.	NV5 (fka Joslin, Lesser + Associates Inc.)	Compass Project Management, Inc.	Anser Advisory	Dore & Whittier Management Partners, Inc.	CGA Project Management	STV DPM (fka STV Inc.)	CHA Consulting, Inc.	
Designer	Flansburgh Associates, Inc.	DiNisco Design, Inc.	Tappe Architects, Inc.	Dore & Whittier Architects, Inc.	DiNisco Design, Inc.	Dore & Whittier Architects, Inc.	Mount Vernon Group Architects, Inc.	Mount Vernon Group Architects, Inc.	
Cost Estimator	Project Management & Cost	A M Fogarty & Associates Inc.	A M Fogarty & Associates Inc.	Project Management & Cost	A M Fogarty & Associates Inc.	Project Management & Cost	Fennessy Consulting Services	A M Fogarty & Associates Inc.	
Division	Description of Work		Total Costs						
A	Substructure	\$1,402,824	\$1,570,341	\$2,259,963	\$167,075	\$1,555,509	\$2,921,419	\$3,383,756	\$1,726,416
B	Shell	\$7,285,296	\$8,266,946	\$8,128,091	\$3,570,814	\$9,941,727	\$11,408,072	\$9,173,906	\$10,516,667
B10	Superstructure	\$2,185,854	\$2,315,640	\$2,987,640	\$877,920	\$3,811,128	\$4,079,941	\$3,936,136	\$4,288,148
B20	Exterior Enclosure	\$3,808,478	\$4,659,273	\$3,163,763	\$1,439,366	\$5,188,855	\$5,202,951	\$3,693,380	\$4,533,265
B2010	Exterior Walls	\$2,920,039	\$2,975,035	\$2,070,362	\$336,282	\$3,707,732	\$5,202,951	\$2,594,955	\$3,473,140
B2020	Exterior Windows	\$807,041	\$1,522,570	\$975,451	\$1,021,964	\$1,352,771	\$0	\$1,028,925	\$971,625
B2030	Exterior Doors	\$81,398	\$161,668	\$117,950	\$81,120	\$128,352	\$0	\$69,500	\$88,500
B30	Roofing	\$1,290,964	\$1,292,033	\$1,976,688	\$941,744	\$1,253,528	\$2,125,180	\$1,544,390	\$1,695,254
C	Interiors	\$3,400,359	\$5,244,398	\$5,445,897	\$3,208,424	\$6,600,680	\$7,638,951	\$5,914,927	\$5,853,397
D	Services	\$6,499,599	\$7,889,913	\$7,961,258	\$7,974,688	\$10,435,050	\$10,221,850	\$10,177,070	\$10,850,564
D10	Conveying	\$100,000	\$172,500	\$109,860	\$20,000	\$181,037	\$153,000	\$131,100	\$131,100
D20	Plumbing	\$868,831	\$943,426	\$1,255,100	\$1,008,138	\$1,554,034	\$1,611,050	\$1,571,600	\$1,493,450
D30	HVAC	\$2,769,544	\$3,779,394	\$3,510,221	\$3,351,972	\$4,862,536	\$4,184,439	\$4,781,250	\$5,032,350
D40	Fire Protection	\$265,275	\$546,308	\$404,334	\$399,059	\$472,435	\$614,340	\$533,950	\$606,187
D50	Electrical Utilities	\$2,495,949	\$2,448,285	\$2,681,743	\$3,195,519	\$3,365,008	\$3,659,021	\$3,159,170	\$3,587,477
E	Furnishings & Fixed Equipment	\$646,217	\$1,420,384	\$1,439,609	\$1,307,388	\$1,531,239	\$1,937,350	\$1,585,038	\$2,084,080
	Building Value Engineering	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Building Subtotal	\$19,234,295	\$24,391,982	\$25,234,818	\$16,228,389	\$30,064,205	\$34,127,642	\$30,234,697	\$31,031,124
F	Special Construction & Demo	\$1,129,600	\$991,330	\$1,062,765	\$2,128,125	\$772,817	\$1,331,060	\$1,047,629	\$0
G	Other Site Construction	\$3,790,300	\$3,063,260	\$6,324,885	\$3,897,811	\$8,745,907	\$4,232,839	\$4,084,288	\$4,513,822
G10	Site Preparation	\$811,307	\$746,561	\$1,650,973	\$483,192	\$1,598,934	\$485,848	\$1,088,044	\$1,918,840
G20	Site Improvements	\$1,745,604	\$1,607,540	\$2,611,808	\$2,117,581	\$3,574,694	\$1,534,926	\$2,034,819	\$1,646,547
G30	Mechanical Utilities	\$995,490	\$390,885	\$1,189,956	\$966,838	\$3,006,382	\$1,798,915	\$696,425	\$640,435
G40	Electrical Utilities	\$237,899	\$318,274	\$872,148	\$330,200	\$565,897	\$413,150	\$265,000	\$308,000
	Other Site Construction	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2,750,000
	Subtotal	\$24,154,195	\$28,446,572	\$32,622,468	\$22,254,325	\$39,582,929	\$39,691,541	\$35,366,614	\$38,294,946
Z	Mark-Ups	\$5,714,961	\$6,770,614	\$9,241,755	\$6,982,714	\$11,629,207	\$8,993,460	\$7,849,000	\$8,797,000
Z	Insurance	\$318,283	\$316,889	\$326,841	\$24,249	\$0	\$564,860	\$499,000	\$512,000
Z	Subcontractor Bond	\$345,961	\$279,793	\$370,637	\$0	\$1,123,674	\$564,860	\$428,000	\$431,000
Z	Design & Pricing Contingency	\$2,421,419	\$2,035,859	\$2,936,022	\$2,225,432	\$3,166,634	\$4,108,075	\$3,540,000	\$3,560,000
Z	General Conditions	\$1,937,378	\$2,874,330	\$3,769,376	\$2,982,504	\$5,017,718	\$2,400,000	\$2,214,000	\$3,120,000
Z	Overhead & Profit / GMP Fee	\$691,920	\$680,000	\$1,038,814	\$558,000	\$1,038,694	\$1,355,665	\$1,168,000	\$1,174,000
Z	CM@Risk Contingency	\$583,743	\$800,065	\$1,192,529	\$1,282,487	\$0	\$0	\$0	\$0
	Construction Subtotal	\$29,869,156	\$35,217,186	\$41,864,223	\$29,237,039	\$51,212,136	\$48,685,001	\$43,215,614	\$47,091,946
Z	Project Scope Adjustments	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Z	Escalation to Construction Mid-Point	\$1,041,210	\$1,033,590	\$727,170	\$954,710	\$1,761,282	\$1,389,204	\$2,539,000	\$740,000
	Total Construction Cost	\$30,910,366	\$36,250,776	\$42,591,393	\$30,191,749	\$52,973,418	\$50,074,205	\$45,754,614	\$47,831,946
	Cost per Square Foot	\$425	\$430	\$474	\$344	\$482	\$418	\$431	\$429
Bid Alternates	\$0	\$445,000	\$600,000	\$0	\$0	\$0	\$0	\$0	\$0
CM Preconstruction Services	\$0	\$120,000	\$100,000	\$167,500	\$170,000	\$0	\$0	\$0	\$0
Construction Contingency	\$1,545,518	\$1,800,000	\$1,703,656	\$1,471,399	\$1,500,000	\$2,500,000	\$2,849,699	\$1,650,000	
Designer	\$3,676,037	\$4,515,000	\$4,612,351	\$3,718,781	\$5,360,000	\$5,585,516	\$4,886,295	\$3,243,592	
OPM & other Professional services	\$1,394,863	\$1,744,000	\$1,756,457	\$1,480,957	\$2,040,000	\$1,695,182	\$1,690,665	\$1,437,000	
FF&E/IT	\$1,380,000	\$1,410,000	\$996,000	\$2,210,000	\$2,832,000	\$2,832,000	\$1,700,000	\$1,635,000	
Legal Fees	\$50,000	\$0	\$20,000	\$0	\$30,000	\$25,000	\$10,000	\$15,000	
Other Soft Costs	\$319,000	\$2,355,000	\$346,000	\$230,000	\$556,000	\$400,000	\$332,000	\$168,000	
Owner's Contingency	\$643,257	\$360,000	\$400,000	\$735,700	\$500,000	\$1,859,928	\$228,148	\$437,800	
	Total Project Budget ****	\$39,919,041	\$48,999,776	\$53,365,857	\$38,992,086	\$65,339,418	\$64,971,831	\$57,451,421	\$56,418,338
Bid Alternates	\$0	\$600,000	\$0	\$0	\$0	\$0	\$0	\$0	
Ineligible Costs & Contingency	\$1,236,414	\$1,074,984	\$1,277,742	\$867,564	\$970,266	\$1,999,258	\$2,392,153	\$1,171,681	
Scope Exclusions	\$7,528,850	\$12,934,888	\$14,079,854	\$4,553,209	\$17,138,811	\$10,043,602	\$9,671,716	\$11,105,800	
Basis for Total Facilities Grant	\$31,153,777	\$34,989,904	\$37,408,261	\$33,571,313	\$47,230,341	\$52,928,971	\$45,387,552	\$44,140,857	
Reimbursement Rate	48.63%	40.22%	57.27%	50.46%	35.79%	80.00%	61.57%	67.71%	
Maximum Facilities Grant	\$15,150,082	\$14,072,939	\$21,423,711	\$16,940,085	\$16,903,739	\$42,343,177	\$27,945,116	\$29,887,774	

Information as of:

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

Elementary School

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	Apr-18	Jun-18	Aug-18	Aug-18	Oct-18	Dec-18	Dec-18	Feb-19	
District	Harvard ³	Northbridge	Easthampton	Foxborough	Shrewsbury ⁴	Danvers	Wareham ⁵	Marblehead ⁶	
School Name	Hildreth ES	W Edward Balmer	Maple ES	Mabelle M Burrell	Beal School	Ivan G Smith	Minot Forest	Elbridge Gerry	
Construction Type	New Construction	New Construction	New	Addition / Renovation	New Construction	New Construction	New Construction	New Construction	
Enrollment	445	1,030	1,010	270	790	465	1,020	450	
GSF	85,214	167,352	177,370	61,455	141,600	82,728	159,989	81,935	
Assumed Start of Construction	Jun-19	Aug-19	Aug-19	Nov-19	Sep-19	Jun-19	Mar-20	Apr-20	
OPM	NV5 (fka Joslin, Lesser + Associates Inc.)	Symmes Maini & McKee Associates, Inc.	Colliers International	Colliers Project Leaders NE, LLC	PMA Consultants, LLC	PMA Consultants, LLC	PMA Consultants, LLC	Leftfield, LLC	
Designer	Arrowstreet Inc.	Dore & Whittier Architects, Inc.	Caolo & Bieniek Associates	Kaestle Boos Associates, Inc.	Lamoureux Pagano Associates Architects, Inc.	Tappe Architects, Inc.	Mount Vernon Group Architects, Inc.	Raymond Design Associates, Inc.	
Cost Estimator	Project Management & Cost	Project Management & Cost	A M Fogarty & Associates Inc.	Miyakoda Consulting	A M Fogarty & Associates Inc.	Project Management & Cost	Fennessy Consulting Services	VJ Associates of New England	
Division	Description of Work	Total Costs							
A	Substructure	\$2,351,527	\$2,912,698	\$5,665,000	\$954,000	\$3,302,132	\$2,372,076	\$3,143,070	\$1,996,258
B	Shell	\$10,404,610	\$16,347,473	\$16,348,000	\$5,617,000	\$13,811,211	\$8,918,082	\$15,351,459	\$8,394,423
B10	Superstructure	\$3,889,954	\$5,613,302	\$5,630,000	\$843,000	\$4,534,040	\$3,318,151	\$6,576,140	\$3,058,130
B20	Exterior Enclosure	\$4,627,726	\$7,266,145	\$8,220,000	\$3,065,000	\$7,084,625	\$4,265,909	\$6,535,323	\$3,491,287
B2010	Exterior Walls	\$3,267,076	\$5,072,972	\$5,868,000	\$2,325,000	\$5,566,817	\$2,713,846	\$4,353,066	\$1,841,809
B2020	Exterior Windows	\$1,291,250	\$2,052,298	\$2,179,000	\$685,000	\$1,400,740	\$1,435,863	\$2,037,377	\$1,494,078
B2030	Exterior Doors	\$69,400	\$140,875	\$173,000	\$55,000	\$117,068	\$116,200	\$144,880	\$155,400
B30	Roofing	\$1,886,930	\$3,468,026	\$2,498,000	\$2,192,546	\$1,709,000	\$1,334,022	\$2,239,996	\$1,845,006
C	Interiors	\$5,385,922	\$10,442,201	\$12,433,000	\$3,771,000	\$8,691,568	\$5,393,298	\$11,129,043	\$5,396,769
D	Services	\$7,366,366	\$15,068,188	\$20,670,000	\$6,011,000	\$14,903,495	\$8,289,311	\$14,863,206	\$8,833,040
D10	Conveying	\$95,000	\$132,820	\$326,000		\$115,037	\$180,000	\$266,500	\$174,000
D20	Plumbing	\$926,051	\$1,941,389	\$3,045,000	\$846,000	\$2,307,592	\$1,128,459	\$2,287,845	\$1,392,360
D30	HVAC	\$3,269,877	\$6,743,029	\$8,965,000	\$2,331,000	\$5,632,726	\$3,982,238	\$6,680,453	\$3,926,500
D40	Fire Protection	\$408,439	\$725,972	\$1,029,000	\$322,000	\$623,040	\$370,275	\$792,425	\$462,380
D50	Electrical Utilities	\$2,666,999	\$5,524,978	\$7,305,000	\$2,512,000	\$6,225,100	\$2,628,339	\$4,835,983	\$2,877,800
E	Furnishings & Fixed Equipment	\$1,263,441	\$2,420,706	\$2,636,000	\$1,500,000	\$2,673,999	\$1,646,509	\$2,284,255	\$1,932,820
	Building Value Engineering								
	Building Subtotal	\$26,771,866	\$47,191,266	\$57,752,000	\$17,853,000	\$43,382,405	\$26,619,276	\$46,771,033	\$26,553,310
F	Special Construction & Demo	\$1,184,272	\$1,541,660	\$3,189,000	\$870,700	\$1,975,000	\$697,500	\$1,392,030	\$1,253,397
G	Other Site Construction	\$4,750,954	\$9,415,334	\$9,394,000	\$1,871,000	\$9,502,821	\$3,892,438	\$8,615,912	\$3,979,654
G10	Site Preparation	\$903,700	\$2,023,342	\$3,019,000	\$278,000	\$2,543,513	\$748,429	\$1,928,356	\$1,044,320
G20	Site Improvements	\$2,465,089	\$4,639,089	\$3,680,000	\$1,062,000	\$4,656,664	\$1,860,369	\$3,328,507	\$2,060,334
G30	Mechanical Utilities	\$1,071,965	\$2,032,442	\$2,128,000	\$255,000	\$1,702,407	\$979,680	\$2,733,399	\$489,400
G40	Electrical Utilities	\$310,200	\$720,461	\$567,000	\$276,000	\$600,237	\$303,960	\$625,650	\$385,600
	Other Site Construction	\$0	\$0					\$500,000	\$0
	Subtotal	\$32,707,092	\$58,148,260	\$70,335,000	\$20,594,700	\$54,860,226	\$31,209,214	\$57,278,975	\$31,786,361
Z	Mark-Ups	\$9,310,736	\$17,097,947	\$15,095,000	\$5,411,000	\$16,143,772	\$9,679,109	\$11,046,854	\$9,139,292
Z	Insurance	\$505,127		\$912,000	\$276,000	\$1,564,394	\$952,693	\$605,190	\$548,473
Z	Subcontractor Bond	\$292,609		\$654,000	\$165,000		\$0	\$605,190	\$0
Z	Design & Pricing Contingency	\$2,853,032	\$6,066,364	\$6,983,000	\$2,030,000	\$5,486,023	\$3,239,516	\$4,744,593	\$3,178,636
Z	General Conditions	\$3,758,922	\$5,364,384	\$4,625,000	\$2,174,000	\$5,475,362	\$3,765,387	\$3,240,000	\$3,724,000
Z	Overhead & Profit / GMP Fee	\$919,833	\$4,140,383	\$1,921,000	\$766,000	\$1,807,606	\$1,008,819	\$1,851,881	\$1,052,456
Z	CM@Risk Contingency	\$981,213	\$1,526,816		\$1,810,387		\$712,694	\$0	\$635,727
	Construction Subtotal	\$42,017,828	\$75,246,207	\$85,430,000	\$26,005,700	\$71,003,998	\$40,888,323	\$68,325,829	\$40,925,653
Z	Project Scope Adjustments								
Z	Escalation to Construction Mid-Point	\$981,213	\$4,246,455	\$4,692,000	\$1,052,000	\$3,107,832	\$1,185,950	\$3,740,549	\$2,860,773
	Total Construction Cost	\$42,999,041	\$79,492,662	\$90,122,000	\$27,057,700	\$74,111,830	\$42,074,273	\$72,066,378	\$43,786,426
	Cost per Square Foot	\$505	\$475	\$508	\$440	\$523	\$509	\$450	\$534
Bid Alternates					\$0	\$0	\$0	\$0	\$0
CM Preconstruction Services	\$187,920	\$250,000			\$250,000	\$150,000	\$0	\$225,000	
Construction Contingency	\$2,149,952	\$3,974,633	\$2,253,050	\$1,351,450	\$3,705,591	\$1,682,971	\$3,603,319	\$1,751,457	
Designer	\$4,674,904	\$8,271,042	\$9,477,200	\$2,979,500	\$7,784,711	\$4,453,985	\$7,831,637	\$4,864,230	
OPM & other Professional services	\$1,496,000	\$2,898,004	\$3,247,188	\$1,308,100	\$2,768,913	\$1,603,210	\$3,654,483	\$2,402,020	
FF&E/IT	\$1,335,000	\$2,424,000	\$960,217	\$1,896,000	\$1,116,000	\$2,448,000	\$1,577,985		
Legal Fees	\$0	\$80,000	\$20,000	\$20,000	\$25,000	\$25,000	\$25,000	\$50,000	
Other Soft Costs	\$325,000	\$910,000	\$488,500	\$390,000	\$1,490,000	\$150,000	\$275,000	\$645,000	
Owner's Contingency	\$429,990	\$1,589,853	\$1,126,525	\$604,600	\$777,229	\$744,561	\$570,365	\$292,649	
	Total Project Budget ****	\$53,597,807	\$100,968,194	\$109,158,463	\$34,671,567	\$92,809,274	\$52,000,000	\$90,474,182	\$55,594,767
Bid Alternates									
Ineligible Costs & Contingency	\$1,719,962	\$3,179,706	\$1,351,830	\$810,296	\$2,964,473	\$1,262,228	\$2,882,655	\$1,313,593	
Scope Exclusions	\$14,846,672	\$23,212,964	\$27,501,617	\$6,488,875	\$27,754,565	\$13,794,639	\$17,425,663	\$17,246,571	
Basis for Total Facilities Grant	\$37,031,173	\$74,575,524	\$80,305,016	\$27,372,396	\$62,090,236	\$36,943,133	\$70,165,864	\$37,034,603	
Reimbursement Rate	50.68%	63.78%	63.15%	56.01%	54.86%	56.46%	74.98%	38.56%	
Maximum Facilities Grant	\$18,767,398	\$47,564,269	\$50,712,618	\$15,331,279	\$34,062,703	\$20,488,862	\$52,610,365	\$14,280,543	

3 - Harvard Hildreth ES - The maximum total facilities grant includes a cost recovery of \$425,985 in state funds.
4 - Shrewsbury Beal ECC - The maximum total facilities grant includes a cost recovery of \$7,022 in state funds.

5 - Wareham Minot Forest ES - The maximum total facilities grant includes a cost recovery of \$801,126 in state funds.
6 - Marblehead Elbridge Gerry ES - The maximum total facilities grant includes a cost recovery of \$1,669 in state funds.

Information as of:

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

Elementary School

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	Feb-19	Feb-19	Aug-19	Aug-19	Aug-19	Aug-19	Aug-19	Aug-19	
District	Tewksbury ⁷	Westborough	Manchester Essex Regional ⁸	Springfield ⁹	Amesbury ¹⁰	Bridgewater-Raynham ¹¹	Gardner ¹²	Millbury ¹³	
School Name	Louise Davy Trahan	Annie E Fales	Manchester Memorial ES	Brightwood	Amesbury ES	Mitchell ES	Waterford Street	Raymond E. Shaw ES	
Construction Type	New Construction	New Construction	New Construction	New Construction	New Construction	New Construction	New Construction	New Construction	
Enrollment	790	400	335	800	425	740	925	550	
GSF	139,457	70,242	77,102	150,500	98,195	132,045	147,120	90,266	
Assumed Start of Construction	Jul-20	Feb-20	Jul-19	May-19	May-21	Feb-21	Oct-20	Jan-21	
OPM	CBRE/HEERY	Vertex (Eng.) Construction Services	Dore & Whittier Management Partners, Inc.	Skanska USA Building, Inc	NV5 (fka Joslin, Lesser + Associates Inc.)	CHA Consulting, Inc.	Colliers Project Leaders NE, LLC	Hill International Company	
Designer	Flansburgh Associates, Inc.	HMFH Architects, Inc.	JCJ Architecture, PC	DiNisco Design, Inc.	DiNisco Design, Inc.	Raymond Design Associates, Inc.	Jones Whitsett Architects, Inc.	Turowski2 Architecture, Inc.	
Cost Estimator	Project Management & Cost	Miyakoda Consulting	VJ Associates of New England	A M Fogarty & Associates Inc.	A M Fogarty & Associates Inc.	Ellana, Inc.	Project Management & Cost	Project Management & Cost	
Division	Description of Work								
A	Substructure	\$1,621,984	\$1,884,626	\$2,243,302	\$2,471,000	\$1,751,786	\$2,072,139	\$2,221,000	\$2,211,001
B	Shell	\$15,083,205	\$7,173,683	\$8,545,180	\$13,614,700	\$9,745,401	\$13,430,773	\$15,116,000	\$9,665,389
B10	Superstructure	\$5,750,643	\$2,704,360	\$3,176,554	\$5,578,900	\$3,957,302	\$5,668,820	\$4,924,000	\$3,405,778
B20	Exterior Enclosure	\$7,656,396	\$3,012,939	\$3,554,555	\$6,488,900	\$4,813,108	\$5,904,873	\$7,710,000	\$4,451,399
B2010	Exterior Walls	\$4,649,281	\$1,922,018	\$2,254,320	\$4,429,800	\$3,404,390	\$0	\$0	\$2,788,709
B2020	Exterior Windows	\$2,779,846	\$1,039,421	\$1,136,531	\$1,212,700	\$1,312,996	\$0	\$0	\$1,446,430
B2030	Exterior Doors	\$227,269	\$51,500	\$163,704	\$846,400	\$95,722	\$0	\$0	\$216,260
B30	Roofing	\$1,676,166	\$1,456,384	\$1,814,071	\$1,546,900	\$974,991	\$1,857,080	\$2,482,000	\$1,808,212
C	Interiors	\$7,436,523	\$4,342,274	\$4,914,859	\$10,651,400	\$6,896,654	\$8,203,966	\$9,406,000	\$6,586,924
D	Services	\$13,653,349	\$12,045,968	\$7,081,683	\$15,558,800	\$10,840,994	\$14,149,607	\$14,892,000	\$9,435,502
D10	Conveying	\$153,000	\$138,000	\$124,000	\$354,400	\$174,000	\$240,000	\$328,000	\$122,800
D20	Plumbing	\$2,092,842	\$1,372,393	\$893,867	\$1,835,900	\$1,625,965	\$2,115,408	\$2,014,000	\$1,373,265
D30	HVAC	\$6,286,195	\$4,899,128	\$3,410,209	\$6,755,200	\$4,925,032	\$6,346,224	\$6,552,000	\$3,977,120
D40	Fire Protection	\$715,143	\$423,427	\$333,686	\$640,500	\$476,381	\$859,385	\$665,000	\$473,815
D50	Electrical Utilities	\$4,406,169	\$5,213,020	\$2,319,921	\$5,972,800	\$3,639,616	\$4,588,590	\$5,333,000	\$3,488,502
E	Furnishings & Fixed Equipment	\$1,988,007	\$1,751,203	\$1,184,875	\$1,741,600	\$1,977,355	\$2,324,138	\$3,092,000	\$2,066,860
	Building Value Engineering								
	Building Subtotal	\$39,783,068	\$27,197,754	\$23,969,899	\$44,037,500	\$31,212,190	\$40,180,623	\$44,727,000	\$29,965,676
F	Special Construction & Demo	\$734,600	\$988,000	\$1,722,251	\$0	\$0	\$1,650,000	\$0	\$1,422,466
G	Other Site Construction	\$13,213,699	\$5,299,835	\$4,028,560	\$5,940,700	\$7,834,736	\$7,129,432	\$11,718,000	\$6,712,058
G10	Site Preparation	\$1,909,485	\$1,345,101	\$1,391,110	\$945,700	\$1,393,930	\$1,553,177	\$1,944,000	\$893,586
G20	Site Improvements	\$5,798,213	\$2,838,031	\$1,410,760	\$3,922,100	\$4,086,886	\$3,752,880	\$7,041,000	\$4,367,272
G30	Mechanical Utilities	\$4,318,901	\$850,180	\$989,290	\$985,400	\$1,447,039	\$1,300,000	\$2,128,000	\$1,022,500
G40	Electrical Utilities	\$1,187,100	\$266,523	\$237,400	\$87,500	\$906,881	\$523,375	\$605,000	\$428,700
	Other Site Construction	\$3,528,229	\$0						
	Subtotal	\$57,259,596	\$33,485,589	\$29,720,710	\$49,978,200	\$39,046,926	\$48,960,055	\$56,445,000	\$38,100,200
Z	Mark-Ups	\$17,328,230	\$9,968,865	\$8,638,151	\$14,131,700	\$8,454,032	\$12,639,927	\$12,475,000	\$8,948,349
Z	Insurance	\$1,646,213	\$1,362,815	\$278,875	\$1,057,200	\$0	\$1,490,803	\$485,000	\$661,972
Z	Subcontractor Bond	\$0	\$0	\$0	\$0	\$825,838	\$477,057	\$920,000	\$441,315
Z	Design & Pricing Contingency	\$5,725,960	\$3,249,759	\$3,661,591	\$4,997,800	\$3,123,754	\$4,896,005	\$5,644,000	\$3,810,020
Z	General Conditions	\$3,300,000	\$2,901,633	\$4,118,165	\$4,651,900	\$3,544,108	\$4,039,204	\$3,865,000	\$2,600,000
Z	Overhead & Profit / GMP Fee	\$4,836,802	\$1,224,664	\$890,000	\$1,775,500	\$960,332	\$1,736,858	\$1,561,000	\$1,435,042
Z	CM@Risk Contingency	\$1,819,255	\$1,229,994	\$689,520	\$1,649,300				
	Construction Subtotal	\$74,587,826	\$43,454,454	\$39,358,861	\$64,109,900	\$47,500,958	\$61,599,982	\$68,920,000	\$47,048,549
Z	Project Scope Adjustments								
Z	Escalation to Construction Mid-Point	\$2,862,980	\$2,172,723	\$1,783,243	\$2,831,300	\$1,475,974	\$3,079,999	\$2,017,000	\$2,221,242
	Total Construction Cost	\$77,450,806	\$45,627,177	\$41,142,104	\$66,941,200	\$48,976,932	\$64,679,981	\$70,937,000	\$49,269,791
	Cost per Square Foot	\$555	\$650	\$534	\$445	\$499	\$490	\$482	\$546
Bid Alternates		\$8,402,618	\$0	\$0	\$0	\$0	\$0	\$0	\$1,153,731
CM Preconstruction Services		\$225,000	\$200,000	\$146,000	\$173,096	\$0	\$0	\$0	\$0
Construction Contingency		\$3,675,040	\$2,281,359	\$1,645,684	\$2,008,236	\$2,272,346	\$3,250,000	\$3,546,850	\$2,463,490
Designer		\$8,780,549	\$4,958,800	\$5,273,440	\$7,088,240	\$5,309,685	\$6,815,000	\$7,688,700	\$5,397,032
OPM & other Professional services		\$3,130,066	\$1,685,143	\$2,118,276	\$2,395,592	\$1,742,223	\$2,285,000	\$2,599,595	\$1,692,813
FF&E/IT		\$2,686,000	\$1,218,828	\$876,000	\$2,456,000	\$1,438,936	\$2,460,000	\$2,500,000	\$1,650,000
Legal Fees		\$30,000	\$5,000	\$70,000	\$20,000	\$0	\$35,000	\$20,000	\$35,000
Other Soft Costs		\$670,750	\$450,500	\$550,000	\$450,000	\$375,000	\$585,000	\$493,000	\$163,000
Owner's Contingency		\$1,855,513	\$456,272	\$411,421	\$669,412	\$398,448	\$490,019	\$1,773,425	\$251,635
	Total Project Budget ****	\$106,906,342	\$56,883,079	\$52,232,925	\$82,201,776	\$60,513,570	\$80,600,000	\$89,558,570	\$62,076,492
Bid Alternates									
Ineligible Costs & Contingency		\$2,900,532	\$1,825,087	\$1,234,263	\$1,338,824	\$1,782,577	\$2,603,200	\$2,837,480	\$1,970,792
Scope Exclusions		\$39,869,920	\$21,524,009	\$15,989,920	\$18,087,759	\$17,246,483	\$20,926,539	\$22,594,846	\$18,652,096
	Basis for Total Facilities Grant	\$64,136,890	\$33,533,983	\$35,009,449	\$62,775,193	\$41,484,510	\$57,070,261	\$64,126,244	\$41,453,604
	Reimbursement Rate	58.77%	48.32%	35.93%	80.00%	58.98%	59.28%	80.00%	61.37%
	Maximum Facilities Grant	\$37,692,663	\$16,203,621	\$12,578,895	\$50,220,154	\$24,467,564	\$33,831,251	\$51,300,995	\$25,440,077

7 - Tewksbury Louise Davy Trahan ES - The maximum total facilities grant includes a cost recovery of \$17,825 in state funds.

8 - Manchester Memorial ES - The maximum total facilities grant includes a cost recovery of \$3,782 in state funds.

9 - Springfield Brightwood ES - The maximum total facilities grant includes a cost recovery of \$1,422 in state funds.

10 - Amesbury ES - The maximum total facilities grant includes a cost recovery of \$1,310 in state funds.

11 - Bridgewater-Raynham Mitchell ES - The maximum total facilities grant includes a cost recovery of \$3,137 in state funds.

12 - Gardner Waterford St. ES - The maximum total facilities grant includes a cost recovery of \$89,811 in state funds.

13 - Millbury R.E. Shaw ES - The maximum total facilities grant includes a cost recovery of \$1,167 in state funds.

Information as of:

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

Elementary School

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	Aug-19	Oct-19	Oct-19	Oct-19	Apr-20	Jun-20	Aug-20	Oct-20	
District	West Springfield ¹⁴	Acton-Boxborough ¹⁵	Easton ¹⁶	Rockland ¹⁷	Orange ¹⁸	Springfield ¹⁹	Gloucester ²⁰	Ashland ²¹	
School Name	Philip G Coburn	C.T. Douglas ES	Center School	Jefferson ES	Dexter Park	William N Deberry	East Gloucester ES	David Mindess	
Construction Type	New Construction	New Construction	New Construction	New Construction	Addition / Renovation	New Construction	New Construction	New Construction	
Enrollment	585	990	760	760	520	800	440	635	
GSF	119,800	174,759	148,422	120,672	97,115	155,990	90,461	104,885	
Assumed Start of Construction	Nov-20	Jul-20	Mar-21	Mar-21	Jul-21	Apr-22	Aug-21	Nov-21	
OPM	NV5 (fka Joslin, Lesser + Associates Inc.)	Skanska USA Building, Inc	PMA Consultants, LLC	PMA Consultants, LLC	Hill International Company	Skanska USA Building, Inc	CBRE/HEERY	Compass Project Management, Inc.	
Designer	TSKP Studio, LLC	Arrowstreet Inc.	Perkins Eastman/DPC	Symmes Maini & McKee Associates, Inc.	Raymond Design Associates, Inc.	DiNisco Design, Inc.	Dore & Whittier Architects, Inc.	Flansburgh Associates, Inc.	
Cost Estimator	A M Fogarty & Associates Inc.	Project Management & Cost	Project Management & Cost	Miyakoda Consulting	Ellana, Inc.	A M Fogarty & Associates Inc.	Project Management & Cost	A M Fogarty & Associates Inc.	
Division	Description of Work								
A	Substructure	\$1,375,243	\$3,689,264	\$2,731,462	\$3,245,315	\$2,351,668	\$2,799,028	\$2,421,023	\$3,150,159
B	Shell	\$11,843,671	\$19,292,700	\$16,272,082	\$13,982,462	\$7,455,157	\$14,120,897	\$10,996,824	\$12,888,826
B10	Superstructure	\$4,780,835	\$8,548,132	\$5,504,168	\$4,921,984	\$3,111,335	\$5,382,658	\$3,757,841	\$4,014,547
B20	Exterior Enclosure	\$5,362,993	\$8,667,148	\$8,568,142	\$8,907,350	\$2,898,817	\$7,234,465	\$6,272,716	\$6,683,192
B2010	Exterior Walls	\$3,065,967	\$6,317,620	\$5,474,330	\$4,137,180	\$1,636,727	\$4,992,554	\$4,920,903	\$4,630,623
B2020	Exterior Windows	\$2,124,341	\$2,206,213	\$2,897,744	\$2,571,670	\$1,066,590	\$2,057,160	\$1,228,805	\$1,892,585
B2030	Exterior Doors	\$172,685	\$143,315	\$196,068	\$198,500	\$195,500	\$184,751	\$123,008	\$159,984
B30	Roofing	\$1,699,843	\$2,077,420	\$2,199,772	\$2,153,128	\$1,445,005	\$1,503,774	\$966,267	\$2,191,087
C	Interiors	\$8,870,267	\$13,225,612	\$10,107,879	\$9,280,955	\$5,901,417	\$15,247,327	\$6,829,578	\$6,953,825
D	Services	\$13,486,393	\$22,340,441	\$16,261,561	\$13,116,200	\$10,087,034	\$17,424,268	\$10,915,753	\$12,910,414
D10	Conveying	\$174,000	\$338,107	\$238,074	\$140,000	\$170,000	\$437,283	\$186,000	\$174,000
D20	Plumbing	\$1,757,285	\$2,937,131	\$2,338,560	\$2,536,952	\$1,205,735	\$2,323,297	\$1,738,201	\$1,795,472
D30	HVAC	\$6,458,751	\$11,798,387	\$7,326,549	\$5,210,293	\$4,306,881	\$8,496,129	\$4,929,100	\$6,491,395
D40	Fire Protection	\$793,145	\$1,070,559	\$785,757	\$901,334	\$647,439	\$808,295	\$514,820	\$510,869
D50	Electrical Utilities	\$4,303,212	\$6,196,257	\$5,572,621	\$4,327,621	\$3,756,979	\$5,359,264	\$3,547,632	\$3,938,678
E	Furnishings & Fixed Equipment	\$840,751	\$2,399,635	\$2,717,949	\$2,097,910	\$601,380	\$874,277	\$2,057,178	\$1,486,101
	Building Value Engineering								
	Building Subtotal	\$36,416,325	\$60,947,652	\$48,090,933	\$41,722,842	\$26,396,656	\$50,465,797	\$33,220,356	\$37,389,325
F	Special Construction & Demo	\$1,820,602	\$2,500,899	\$1,164,000	\$2,172,284	\$1,012,727	\$1,166,750	\$1,125,100	\$1,890,413
G	Other Site Construction	\$4,392,274	\$8,213,150	\$8,044,789	\$8,201,596	\$5,438,731	\$6,767,409	\$4,818,656	\$12,452,834
G10	Site Preparation	\$700,952	\$1,935,816	\$1,417,454	\$1,591,514	\$1,345,948	\$858,363	\$868,689	\$1,999,841
G20	Site Improvements	\$2,388,937	\$4,541,548	\$4,046,257	\$4,812,180	\$2,480,081	\$4,015,851	\$2,684,751	\$5,005,547
G30	Mechanical Utilities	\$1,017,135	\$1,453,117	\$2,108,588	\$801,370	\$895,360	\$1,331,425	\$795,129	\$4,596,040
G40	Electrical Utilities	\$285,250	\$282,669	\$472,490	\$996,532	\$717,342	\$561,770	\$470,087	\$851,406
	Other Site Construction				\$187,990	\$822,196	\$0	\$0	
	Subtotal	\$42,629,201	\$71,661,701	\$57,299,722	\$52,284,712	\$33,670,310	\$58,399,956	\$39,164,112	\$51,732,572
Z	Mark-Ups	\$10,228,125	\$21,194,905	\$13,805,077	\$12,509,563	\$9,768,115	\$15,036,026	\$10,822,796	\$14,242,871
Z	Insurance	\$0	\$1,143,140	\$901,976	\$742,886	\$761,426	\$1,353,109	\$1,092,761	\$1,298,726
Z	Subcontractor Bond	\$1,049,581	\$1,020,661	\$567,898	\$481,793	\$0	\$0	\$0	\$0
Z	Design & Pricing Contingency	\$4,262,920	\$7,204,879	\$5,729,972	\$5,228,471	\$3,503,950	\$5,407,120	\$3,916,411	\$5,173,257
Z	General Conditions	\$3,711,230	\$7,766,116	\$4,778,729	\$4,394,007	\$3,722,122	\$5,026,975	\$3,954,490	\$4,857,954
Z	Overhead & Profit / GMP Fee	\$1,204,394	\$2,030,055	\$1,826,502	\$1,580,348	\$1,298,824	\$1,687,500	\$1,080,000	\$1,490,288
Z	CM@Risk Contingency	\$2,030,054	\$2,030,054	\$0	\$0	\$0	\$1,561,322	\$779,134	\$1,422,646
	Construction Subtotal	\$52,857,326	\$92,856,606	\$71,104,799	\$64,794,275	\$43,438,425	\$73,435,982	\$49,986,908	\$65,975,443
Z	Project Scope Adjustments								
Z	Escalation to Construction Mid-Point	\$1,875,685	\$2,399,225	\$3,781,782	\$3,455,479	\$2,292,303	\$4,205,538	\$1,938,623	\$1,749,853
	Total Construction Cost	\$54,733,011	\$95,255,831	\$74,886,581	\$68,249,754	\$45,730,728	\$77,641,520	\$51,925,531	\$67,725,296
	Cost per Square Foot	\$457	\$545	\$505	\$566	\$471	\$498	\$574	\$646
Bid Alternates	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
CM Preconstruction Services	\$0	\$150,000	\$0	\$0	\$0	\$173,000	\$214,000	\$220,000	\$220,000
Construction Contingency	\$2,736,651	\$2,381,396	\$3,744,329	\$3,412,488	\$2,286,536	\$2,341,983	\$2,596,276	\$2,912,000	\$2,912,000
Designer	\$5,807,700	\$9,830,583	\$8,215,636	\$7,735,865	\$5,441,400	\$8,327,152	\$6,029,198	\$7,542,500	\$7,542,500
OPM & other Professional services	\$1,974,188	\$3,362,619	\$3,207,826	\$2,650,414	\$1,879,000	\$3,101,913	\$2,482,537	\$2,415,333	\$2,415,333
FF&E/IT	\$1,697,500	\$3,360,000	\$2,100,000	\$2,584,000	\$1,248,000	\$2,335,038	\$1,496,000	\$2,063,750	\$2,063,750
Legal Fees	\$0	\$50,000	\$50,000	\$50,000	\$10,000	\$0	\$0	\$0	\$35,000
Other Soft Costs	\$1,540,000	\$1,295,000	\$475,000	\$425,000	\$172,000	\$350,000	\$240,000	\$821,300	\$821,300
Owner's Contingency	\$547,330	\$1,643,090	\$2,160,171	\$1,500,000	\$930,040	\$780,661	\$1,716,458	\$651,821	\$651,821
	Total Project Budget ****	\$69,036,380	\$117,328,519	\$94,839,543	\$86,607,521	\$57,697,704	\$95,051,267	\$66,700,000	\$84,387,000
Bid Alternates									
Ineligible Costs & Contingency	\$2,189,321	\$1,428,838	\$2,995,463	\$2,729,990	\$1,371,921	\$1,565,568	\$2,077,021	\$32,873,156	\$32,873,156
Scope Exclusions	\$16,701,598	\$39,229,153	\$27,001,876	\$30,372,612	\$13,048,003	\$25,486,814	\$22,942,657	\$2,234,747	\$2,234,747
Basis for Total Facilities Grant	\$50,145,461	\$76,670,528	\$64,842,204	\$53,504,919	\$43,277,780	\$67,998,885	\$41,680,322	\$49,279,097	
Reimbursement Rate	80.00%	49.70%	55.93%	67.08%	80.00%	80.00%	64.65%	55.57%	
Maximum Facilities Grant	\$40,116,369	\$38,105,252	\$36,266,245	\$35,891,100	\$34,622,224	\$54,399,108	\$26,946,328	\$27,384,394	

14 - West Springfield Coburn ES - The maximum total facilities grant includes a cost recovery of \$5,462 in state funds.
 15 - Acton Boxborough Douglas ES - The maximum total facilities grant includes a cost recovery of \$86,391 in state funds.
 16 - Easton Center ES - The maximum total facilities grant includes a cost recovery of \$238,360 in state funds.
 17 - Rockland Jefferson ES - The maximum total facilities grant includes a cost recovery of \$6,096 in state funds.

18 - Orange Dexter Park ES - The maximum total facilities grant includes a cost recovery of -\$1,504 in state funds.
 19 - Springfield Deberry ES - The maximum total facilities grant includes a cost recovery of -\$190,688 in state funds.
 20 - East Gloucester ES - The maximum total facilities grant includes a cost recovery of -\$4,306 in state funds.
 21 - Ashland David Mindess ES - The maximum total facilities grant includes a cost recovery of -\$375,641 in state funds.

Information as of:

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

Elementary School

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	Feb-21	Apr-21	Apr-21	Jun-21	Jun-21	Aug-21	Oct-21	Oct-21	
District	Groton-Dunstable	Andover ²²	Westwood ²³	Fitchburg	Swampscott ²⁴	Wellesley ²⁵	Lawrence ²⁶	Peabody ²⁷	
School Name	Florence Roche	West ES	Paul Hanlon	Crocker ES	Hadley	Ernest F Upham	Francis M Leahy	William A Welch Sr	
Construction Type	New Construction	New Construction	New Construction	New Construction	New Construction	New Construction	New Construction	Addition / Renovation	
Enrollment	645	925	560	845	900	365	1,000	390	
GSF	109,855	191,028	113,141	115,788	153,855	80,039	173,520	59,025	
Assumed Start of Construction	Mar-22	Jun-22	Jul-22	Mar-23	Nov-22	Apr-23	May-23	May-22	
OPM	Leftfield, LLC	PMA Consultants, LLC	Compass Project Management, Inc.	Colliers Project Leaders NE, LLC	Hill International Company	Compass Project Management, Inc.	Atlantic Construction and Management, Inc.	Dore & Whittier Management Partners, Inc.	
Designer	Studio G. Architects, Inc.	Symmes Maini & McKee Associates, Inc.	Dore & Whittier Architects, Inc.	saam architecture	LaVallee Brensinger Architects	Symmes Maini & McKee Associates, Inc.	Mount Vernon Group Architects, Inc.	DiNisco Design, Inc.	
Cost Estimator	Project Management & Cost	Miyakoda Consulting	Project Management & Cost	CHA Consulting, Inc.	Miyakoda Consulting	A M Fogarty & Associates Inc.	Fennessy Consulting Services	A M Fogarty & Associates Inc.	
Division	Description of Work								
A	Substructure	\$2,628,796	\$4,650,588	\$3,036,545	\$2,895,600	\$4,017,486	\$2,276,712	\$1,368,869	\$385,501
B	Shell	\$11,773,323	\$24,794,813	\$14,279,800	\$11,647,500	\$14,609,381	\$10,408,582	\$19,021,201	\$2,728,712
B10	Superstructure	\$4,179,663	\$6,924,811	\$4,863,807	\$3,618,400	\$6,136,558	\$3,182,439	\$7,799,808	\$305,015
B20	Exterior Enclosure	\$6,077,803	\$14,761,259	\$7,372,305	\$6,231,600	\$7,059,273	\$5,663,598	\$9,306,893	\$2,101,695
B2010	Exterior Walls	\$4,853,556	\$10,571,188	\$5,498,821	\$4,629,100	\$5,004,834	\$3,689,168	\$5,524,385	\$1,220,063
B2020	Exterior Windows	\$1,105,452	\$3,988,513	\$1,725,785	\$1,475,800	\$1,856,230	\$1,954,930	\$3,614,578	\$786,321
B2030	Exterior Doors	\$118,795	\$201,558	\$147,699	\$126,700	\$198,209	\$19,500	\$167,930	\$95,311
B30	Roofing	\$1,515,857	\$3,108,743	\$2,043,688	\$1,797,500	\$1,413,550	\$1,562,545	\$1,914,500	\$322,002
C	Interiors	\$8,067,260	\$15,827,468	\$7,984,610	\$6,232,700	\$9,804,833	\$6,127,755	\$13,681,558	\$2,990,753
D	Services	\$12,447,377	\$23,867,862	\$16,602,880	\$12,245,100	\$19,351,830	\$10,561,054	\$20,828,467	\$7,585,427
D10	Conveying	\$208,300	\$523,111	\$143,200	\$138,200	\$468,050	\$130,000	\$462,340	\$165,816
D20	Plumbing	\$1,775,837	\$3,200,662	\$1,803,843	\$1,791,600	\$2,107,065	\$1,489,279	\$2,432,566	\$1,092,894
D30	HVAC	\$5,902,177	\$9,821,522	\$9,538,195	\$5,948,700	\$10,601,154	\$4,049,792	\$10,085,857	\$3,469,281
D40	Fire Protection	\$559,641	\$1,061,730	\$627,100	\$690,000	\$897,400	\$357,870	\$951,262	\$422,357
D50	Electrical Utilities	\$4,001,422	\$9,260,837	\$4,490,542	\$3,676,600	\$5,278,161	\$4,534,113	\$6,896,442	\$2,435,079
E	Furnishings & Fixed Equipment	\$1,770,164	\$3,197,271	\$1,861,246	\$1,605,400	\$3,147,670	\$1,287,650	\$3,139,271	\$575,124
	Building Value Engineering								
	Building Subtotal	\$36,686,920	\$72,338,002	\$43,765,081	\$34,626,300	\$50,931,200	\$30,661,753	\$58,039,366	\$14,265,517
F	Special Construction & Demo	\$705,964	\$1,554,630	\$959,200	\$1,780,100	\$1,226,540	\$1,129,600	\$2,250,775	\$997,055
G	Other Site Construction	\$8,496,672	\$12,290,123	\$10,165,368	\$3,877,100	\$8,926,257	\$9,074,642	\$1,011,184	\$1,531,554
G10	Site Preparation	\$1,526,367	\$2,168,780	\$2,344,250	\$1,063,800	\$2,677,455	\$2,502,558	\$164,719	\$419,505
G20	Site Improvements	\$4,818,739	\$7,317,721	\$4,382,731	\$1,420,800	\$4,050,722	\$3,845,699	\$427,710	\$868,040
G30	Mechanical Utilities	\$1,688,066	\$2,088,881	\$2,892,967	\$1,085,700	\$1,656,980	\$2,303,260	\$314,255	\$83,750
G40	Electrical Utilities	\$463,500	\$714,741	\$545,420	\$306,800	\$541,100	\$423,125	\$104,500	\$160,259
	Other Site Construction							\$315,883	
	Subtotal	\$45,889,556	\$86,182,755	\$54,889,649	\$40,283,500	\$61,083,997	\$40,865,995	\$61,617,208	\$16,794,126
Z	Mark-Ups	\$13,357,305	\$27,308,090	\$12,746,549	\$7,879,300	\$13,798,962	\$10,994,964	\$13,471,138	\$5,888,059
Z	Insurance	\$738,822	\$1,123,131	\$789,039	\$507,600	\$878,082	\$935,322	\$1,287,226	\$486,958
Z	Subcontractor Bond	\$395,797	\$1,112,011	\$631,231	\$359,500	\$702,466	\$325,459	\$0	\$0
Z	Design & Pricing Contingency	\$4,588,956	\$8,618,276	\$5,488,965	\$2,014,100	\$6,108,400	\$4,022,251	\$6,826,213	\$1,083,308
Z	General Conditions	\$4,703,190	\$10,711,964	\$3,787,391	\$3,595,300	\$3,840,000	\$3,711,643	\$3,060,000	\$3,003,178
Z	Overhead & Profit / GMP Fee	\$1,465,270	\$2,906,803	\$2,049,923	\$1,402,800	\$2,270,014	\$910,683	\$2,297,699	\$569,484
Z	CM@Risk Contingency	\$1,465,270	\$2,835,905				\$1,089,606	\$0	\$745,131
	Construction Subtotal	\$59,246,861	\$113,490,845	\$67,636,198	\$48,162,800	\$74,882,959	\$51,860,959	\$75,088,346	\$22,682,185
Z	Project Scope Adjustments								
Z	Escalation to Construction Mid-Point	\$2,294,478	\$5,688,062	\$2,744,482	\$1,611,700	\$3,054,200	\$3,708,939	\$6,757,951	\$666,651
	Total Construction Cost	\$61,541,339	\$119,178,907	\$70,380,680	\$49,774,500	\$77,937,159	\$55,569,898	\$81,846,297	\$23,348,836
	Cost per Square Foot	\$560	\$624	\$622	\$430	\$507	\$694	\$472	\$396
Bid Alternates							\$675,000		
CM Preconstruction Services	\$200,000	\$400,000				\$0	\$154,225		\$96,076
Construction Contingency	\$3,077,067	\$9,534,313	\$3,519,000	\$2,500,000	\$3,896,858	\$2,778,000	\$2,007,883		\$839,706
Designer	\$7,314,700	\$12,919,230	\$7,979,290	\$5,373,000	\$8,358,716	\$7,128,960	\$8,964,025		\$2,594,583
OPM & other Professional services	\$2,998,450	\$4,322,887	\$2,495,116	\$1,912,984	\$2,782,418	\$2,845,119	\$3,697,900		\$1,655,132
FF&E/IT	\$2,354,305	\$3,330,000	\$1,800,000	\$2,028,000	\$3,240,000	\$1,461,740	\$3,600,000		\$936,000
Legal Fees	\$50,000	\$10,000	\$35,000	\$15,000	\$20,000	\$75,000			\$20,000
Other Soft Costs	\$480,000	\$1,010,000	\$911,300	\$929,500	\$1,302,000	\$952,000	\$2,018,500		\$250,000
Owner's Contingency	\$634,873	\$956,631	\$700,000	\$2,500,000	\$779,372	\$860,058	\$1,606,306		\$233,488
	Total Project Budget *****	\$78,650,734	\$151,661,968	\$87,820,386	\$65,032,984	\$98,316,523	\$72,500,000	\$103,740,911	\$29,973,821
Bid Alternates									
Ineligible Costs & Contingency	\$2,461,654	\$8,342,524	\$2,815,193	\$4,253,383	\$3,507,172	\$2,804,510	\$2,386,495		\$372,729
Scope Exclusions	\$26,548,697	\$59,451,641	\$38,626,385	\$7,222,255	\$24,478,225	\$30,970,385	\$24,732,738		\$1,728,534
Basis for Total Facilities Grant	\$49,640,383	\$83,867,803	\$46,378,808	\$53,557,346	\$70,331,126	\$38,725,105	\$76,621,678	\$27,872,558	
Reimbursement Rate	53.39%	45.85%	39.35%	80.00%	48.90%	34.90%	80.00%	63.33%	
Maximum Facilities Grant	\$26,503,001	\$38,453,388	\$18,250,061	\$42,845,877	\$34,391,921	\$13,515,062	\$61,297,342	\$17,651,691	

22 - Andover West Elementary School - The maximum total facilities grant includes a cost recovery of -\$10,568 in state funds.

23 - Westwood Hanlon Elementary School - The maximum total facilities grant includes a cost recovery of -\$14,336 in state funds.

24 - Swampscott Hadley Elementary School - The maximum total facilities grant includes a cost recovery of -\$1,310 in state funds.

25 - Wellesley Hardy Elementary School - The maximum total facilities grant includes a cost recovery of -\$6,533 in state funds.

26 - Lawrence Leahy Elementary School - The maximum total facilities grant includes a cost recovery of -\$7,044 in state funds.

27 - Peabody Welch Elementary School - The maximum total facilities grant includes a cost recovery of -\$23,686 in state funds.

Information as of:

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

Elementary School

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-21	Oct-21	Aug-22	Oct-22	Dec-22	Apr-23	
District	Randolph ²⁸	Westfield ²⁹	Hingham ³⁰	Winchester ³¹	Brookline ³²	Amherst	
School Name	Elizabeth G Lyons ES	Franklin Ave	Wm L Foster ES	Lynch Elementary	Pierce	Fort River Elementary	
Construction Type	New Construction	New Construction	New Construction	New Construction	Addition / Renovation	New Construction	
Enrollment	315	395	605	520	725	575	
GSF	74,720	88,495	126,385	103,523	246,123	105,750	
Assumed Start of Construction	Mar-23		Dec-22	Nov-23			
OPM	CHA Consulting, Inc.	P3 Inc.	PMA Consultants, LLC	Hill International Company	Leftfield, LLC	Anser Advisory	
Designer	TSKP Studio, LLC	Caolo & Bieniek Associates, Inc.	Raymond Design Associates, Inc.	Tappe Architects, Inc.	Miller Dyer Spears Inc.	DiNisco Design, Inc.	
Cost Estimator	A M Fogarty & Associates Inc.	A M Fogarty & Associates Inc.	Ellana, Inc.	Project Management & Cost	A M Fogarty & Associates Inc.	A M Fogarty & Associates Inc.	
Division	Description of Work						
A	Substructure	\$1,296,014	\$1,845,635	\$2,049,202	\$2,451,945	\$9,368,529	\$4,163,505
B	Shell	\$8,836,040	\$10,778,837	\$15,699,642	\$16,311,425	\$30,938,409	\$13,045,843
B10	Superstructure	\$2,632,952	\$3,902,881	\$6,449,347	\$6,185,206	\$14,743,712	\$3,253,646
B20	Exterior Enclosure	\$4,837,368	\$5,312,524	\$6,818,606	\$7,502,161	\$12,881,223	\$1,133,445
B2010	Exterior Walls	\$3,086,139	\$4,076,618	\$4,051,206	\$4,953,856	\$8,392,717	\$4,618,374
B2020	Exterior Windows	\$1,602,159	\$1,127,976	\$2,611,460	\$2,173,235	\$4,174,984	\$2,247,135
B2030	Exterior Doors	\$149,070	\$107,930	\$155,940	\$375,070	\$313,522	\$147,806
B30	Roofing	\$1,365,720	\$1,563,432	\$2,431,689	\$2,624,058	\$3,313,474	\$1,645,437
C	Interiors	\$5,526,602	\$7,430,228	\$10,127,584	\$8,933,518	\$16,093,721	\$8,640,984
D	Services	\$8,591,029	\$12,123,639	\$20,675,232	\$15,269,422	\$33,821,832	\$21,848,809
D10	Conveying	\$156,037	\$143,000	\$187,500	\$242,650	\$669,000	\$264,000
D20	Plumbing	\$1,408,571	\$1,774,385	\$2,586,658	\$2,317,650	\$3,370,580	\$1,970,080
D30	HVAC	\$3,788,099	\$5,775,395	\$11,120,210	\$6,378,457	\$17,471,392	\$11,264,869
D40	Fire Protection	\$430,095	\$468,342	\$753,952	\$708,290	\$1,492,560	\$818,365
D50	Electrical Utilities	\$2,808,227	\$3,962,517	\$6,026,912	\$5,622,375	\$10,818,300	\$7,531,495
E	Furnishings & Fixed Equipment	\$1,317,622	\$1,770,213	\$2,457,525	\$1,713,345	\$3,232,757	\$2,305,195
	Building Value Engineering						
	Building Subtotal	\$25,567,307	\$33,948,552	\$51,009,185	\$44,679,655	\$93,455,248	\$50,004,336
F	Special Construction & Demo	\$970,584	\$892,938	\$2,170,856	\$1,788,240	\$8,317,836	\$1,919,658
G	Other Site Construction	\$5,514,567	\$4,547,477	\$16,034,851	\$5,843,789	\$12,334,131	\$10,277,576
G10	Site Preparation	\$898,464	\$702,917	\$6,346,100	\$1,309,079	\$4,729,888	\$1,760,621
G20	Site Improvements	\$2,836,806	\$2,872,057	\$7,080,876	\$2,759,643	\$5,771,419	\$5,522,194
G30	Mechanical Utilities	\$1,446,760	\$565,293	\$2,020,883	\$1,263,397	\$820,288	\$1,548,896
G40	Electrical Utilities	\$332,537	\$407,210	\$586,992	\$511,650	\$1,012,536	\$1,445,865
	Other Site Construction			\$0	\$0	\$0	\$0
	Subtotal	\$32,052,458	\$39,388,967	\$69,214,892	\$52,311,664	\$114,107,215	\$62,201,570
Z	Mark-Ups	\$7,284,488	\$9,308,382	\$15,266,177	\$12,397,127	\$38,395,256	\$13,117,595
Z	Insurance	\$875,690	\$435,804	\$0	\$760,597	\$2,746,272	\$1,358,304
Z	Subcontractor Bond	\$0	\$342,009	\$1,595,112	\$544,580	\$2,729,974	\$24,174,846
Z	Design & Pricing Contingency	\$2,403,934	\$3,938,897	\$5,537,192	\$5,231,166	\$11,410,721	\$4,665,118
Z	General Conditions	\$2,892,108	\$3,361,661	\$5,567,421	\$4,210,178	\$14,218,000	\$4,732,676
Z	Overhead & Profit / GMP Fee	\$1,112,756	\$1,230,011	\$2,566,452	\$1,650,606	\$3,929,836	\$2,361,497
Z	CM@Risk Contingency			\$0	\$0	\$3,360,453	\$0
	Construction Subtotal	\$39,336,946	\$48,697,349	\$84,481,069	\$64,708,791	\$152,502,471	\$75,319,165
Z	Project Scope Adjustments						\$0
Z	Escalation to Construction Mid-Point	\$2,239,665	\$1,733,115	\$3,633,782	\$2,966,071	\$15,520,189	\$6,018,002
	Total Construction Cost	\$41,576,611	\$50,430,464	\$88,114,851	\$67,674,862	\$168,022,660	\$81,337,167
	Cost per Square Foot	\$556	\$570	\$697	\$654	\$683	\$769
Bid Alternates				\$0	\$0	\$0	\$0
CM Preconstruction Services				\$0	\$0	\$300,000	\$0
Construction Contingency	\$1,300,000	\$2,521,523	\$4,405,743	\$6,761,286	\$7,701,133	\$4,066,858	\$159,548,404
Designer	\$4,209,177	\$5,393,000	\$12,288,399	\$7,822,610	\$19,898,782	\$7,351,464	\$373,868,557
OPM & other Professional services	\$1,539,800	\$1,837,000	\$4,032,116	\$2,659,510	\$7,946,087	\$3,204,686	\$136,469,948
FF&E/IT	\$1,116,000	\$1,574,000	\$3,229,066	\$2,900,000	\$3,367,069	\$2,098,750	\$114,958,862
Legal Fees	\$15,000		\$25,000	\$10,000	\$0	\$0	\$1,255,000
Other Soft Costs	\$277,923	\$151,000	\$800,000	\$6,020,916	\$3,000,000	\$350,000	\$55,013,849
Owner's Contingency	\$350,000	\$252,152	\$440,574	\$676,749	\$1,680,227	\$813,372	\$48,432,078
	Total Project Budget ****	\$50,384,511	\$62,159,139	\$113,335,749	\$94,525,933	\$211,915,958	\$99,222,297
Bid Alternates				\$0			\$6,531,572
Ineligible Costs & Contingency	\$1,026,351	\$2,017,218	\$3,524,594	\$6,422,912	\$4,340,680	\$3,660,172	\$152,511,537
Scope Exclusions	\$14,909,765	\$19,689,836	\$47,832,839	\$39,495,889	\$113,856,286	\$35,754,245	\$1,215,313,581
	Basis for Total Facilities Grant	\$34,448,395	\$40,452,085	\$61,978,316	\$48,607,132	\$93,718,992	\$59,807,880
	Reimbursement Rate	80.00%	77.00%	40.54%	36.21%	35.55%	67.66%
	Maximum Facilities Grant	\$27,558,716	\$31,148,105	\$25,126,009	\$17,600,642	\$33,317,102	\$40,466,012

TOTAL
ALL
ELEMENTARY SCHOOLS

\$141,951,390
\$685,408,453
\$246,472,343
\$328,434,042
\$210,404,948
\$92,244,494
\$8,539,383
\$103,488,753
\$437,381,881
\$734,674,953
\$11,475,059
\$98,965,606
\$339,383,711
\$35,842,461
\$249,008,116
\$106,116,681
0
\$2,105,533,358
\$76,297,589
\$371,301,366
\$81,423,895
\$183,906,018
\$78,162,675
\$27,808,778
\$8,454,298
\$2,561,586,611
\$660,650,585
\$39,334,363
\$24,174,846
\$245,908,913
\$229,791,176
\$88,238,230
\$33,203,057
\$3,222,237,196
\$0
\$149,902,578
\$3,372,139,774
\$17,207,921
\$4,961,417
\$0
\$159,548,404
\$373,868,557
\$136,469,948
\$114,958,862
\$1,255,000
\$55,013,849
\$48,432,078
\$4,283,855,810
\$6,531,572
\$152,511,537
\$1,215,313,581
\$2,909,499,120
67.66%
\$1,732,230,641

28 - Randolph Lyons Elementary School - The maximum total facilities grant includes a cost recovery of -\$467 in state funds.

29 - Westfield Franklin Ave Elementary School - The maximum total facilities grant includes a cost recovery of -\$2,847 in state funds.

30 - Hingham Wm L Foster Elementary - The maximum total facilities grant includes a cost recovery of -\$7,451 in state funds.

31 - Lynch ES - The maximum total facilities grant includes a cost recovery of -\$173,514 in state funds.

32 - Pierce - The maximum total facilities grant includes a cost recovery of -\$72,637 in state funds.