

Information as of:

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

Elementary School

October 2021 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. 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	Mar-13	Jul-13	Oct-13	Oct-13	Jan-14	Mar-14	Mar-14	Jan-15	
District	South Hadley	Revere	Whitman-Hanson	Athol-Royalston	Newton	Gloucester	Milford ¹	Northborough	Worcester	
School Name	Plains ES	Staff Sergeant James J. Hill ES	Maquan ES	Riverbend ES	Angier ES	West Parish	Woodland ES	Lincoln Street ES	Nelson Place ES	
Construction Type	New	New	New	New	New	New	New	Add/Reno	New	
Enrollment	270	690	800	545	465	355	985	270	600	
GSF	63,377	103,650	132,841	95,726	74,960	65,679	132,539	52,920	111,256	
Assumed Start of Construction	Mar-14	Jan-14	Sep-15	Nov-14	Jun-14	Jun-14	Jan-15	Apr-15	Jul-15	
OPM	Arcadis	Hill International	Knigh, Bagge & Associates, Inc.	Symmes Maini & McKee Associates	Joslin, Lesser & Associates, Inc.	Knigh, Bagge & Anderson, Inc.	Joslin, Lesser & Associates, Inc.	Strategic Building Solutions	Tishman Construction	
Designer	Margo Jones Architects, Inc	Drumrey Rosane Anderson, Inc.	Turowski2 Architecture, Inc.	Mount Vernon Group Architects	DiNisco Design Partnership	Dore & Whittier Architects, Inc.	HMFH Architects	Lamoureux Pagano & Associates, Inc.	Lamoureux Pagano & Associates, Inc.	
Cost Estimator	PM&C	Cost Pro	PM&C	Tarbell Construction	A.M. Fogarty	PM&C	PM&C	AM Fogarty	AM Fogarty	
Division	Description of Work		Total Costs							
A	Substructure	\$1,046,531	\$3,019,856	\$2,392,456	\$1,280,000	\$739,962	\$2,265,570	\$1,591,121	\$343,700	\$2,451,078
B	Shell	\$5,728,957	\$8,728,482	\$10,317,754	\$6,434,732	\$8,016,000	\$7,066,238	\$10,174,385	\$2,476,600	\$9,012,695
B10	Superstructure	\$1,705,479	\$3,366,282	\$4,092,441	\$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	\$4,530,871	\$3,839,000	\$4,282,400	\$3,775,080	\$5,282,500	\$1,282,500	\$3,943,520
B2010	Exterior Walls	\$1,000,000	\$2,749,415	\$3,395,637	-	\$2,158,242	\$2,813,826	\$3,008,068	\$763,300	\$2,483,043
B2020	Exterior Windows	\$1,000,000	\$1,679,028	\$1,005,389	-	\$1,049,069	\$893,595	\$2,165,809	\$409,200	\$1,352,472
B2030	Exterior Doors	\$577,253	\$39,680	\$129,845	-	\$73,459	\$67,659	\$108,460	\$110,000	\$108,005
B30	Roofing	\$1,444,225	\$894,077	\$1,694,442	\$1,424,000	\$788,945	\$1,147,242	\$762,631	\$646,600	\$1,594,753
C	Interiors	\$2,516,455	\$4,306,789	\$5,369,820	\$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	\$10,031,882	\$7,613,359	\$6,082,880	\$5,546,674	\$11,702,627	\$4,440,600	\$9,532,738
D10	Conveying	\$116,500	\$113,000	\$91,800	\$81,000	\$120,000	\$103,000	\$113,000	\$22,500	\$223,720
D20	Plumbing	\$541,380	\$1,160,665	\$1,379,000	\$910,000	\$838,268	\$833,502	\$1,385,883	\$564,600	\$1,347,730
D30	HVAC	\$2,171,337	\$3,247,892	\$4,824,600	\$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	\$485,707	\$471,000	\$306,931	\$271,276	\$595,335	\$226,500	\$446,800
D50	Electrical Utilities	\$1,443,731	\$2,416,855	\$3,250,775	\$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	\$1,403,185	\$1,059,000	\$1,552,469	\$1,068,930	\$1,497,209	\$897,400	\$2,279,599
	Building Value Engineering									
	Building Subtotal	\$14,864,281	\$24,309,968	\$29,515,097	\$22,160,359	\$18,311,017	\$19,660,802	\$31,853,445	\$10,744,900	\$29,503,564
F	Special Construction & Demo	\$676,000		\$2,227,000		\$909,863	\$796,000	\$888,884	\$701,700	\$1,066,510
G	Other Site Construction	\$2,143,874	\$2,633,282	\$4,152,913	\$5,058,000	\$1,980,695	\$2,607,230	\$5,205,236	\$2,254,100	\$5,202,096
G10	Site Preparation	\$329,447	\$421,476	\$880,085	\$1,663,000	\$363,653	\$405,803	\$930,269	\$430,100	\$1,574,851
G20	Site Improvements	\$828,333	\$1,269,525	\$2,132,646	\$2,079,000	\$889,136	\$1,589,432	\$2,796,679	\$1,295,400	\$2,362,009
G30	Mechanical Utilities	\$623,424	\$748,771	\$822,602	\$821,000	\$452,029	\$347,345	\$1,075,419	\$365,000	\$982,853
G40	Electrical Utilities	\$264,670	\$193,510	\$317,600	\$495,000	\$275,877	\$264,650	\$393,869	\$163,600	\$262,383
	Other Site Construction						\$0			
	Subtotal	\$17,484,155	\$26,943,250	\$35,895,010	\$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	\$7,834,086	\$6,586,614	\$4,394,142	\$6,394,042	\$8,916,376	\$3,713,000	\$9,378,942
Z	Insurance	\$174,842	\$369,012	\$394,845		\$229,585	\$288,300	\$507,314		\$313,797
Z	Subcontractor Bond	\$113,647	\$191,886	\$296,134		\$181,251	\$149,916	\$345,896	\$259,100	\$395,384
Z	Design & Pricing Contingency	\$1,780,499	\$3,008,188	\$3,589,501	\$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	\$2,369,071	\$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	\$1,184,535		\$895,063	\$540,000	\$691,921	\$900,000	\$2,166,711
Z	CM@Risk Contingency						\$461,281	\$664,082		\$1,198,014
	Construction Subtotal	\$21,126,717	\$32,820,336	\$43,729,096	\$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	\$1,967,809	\$1,386,390	\$635,981	\$537,392	\$1,517,903	\$810,900	\$1,395,188
	Total Construction Cost	\$21,563,821	\$33,897,336	\$45,696,905	\$35,191,363	\$26,231,698	\$29,995,466	\$48,381,844	\$18,224,600	\$46,546,300
	Cost per Square Foot	\$340	\$327	\$344	\$368	\$350	\$457	\$365	\$344	\$418
Bid Alternates				\$1,040,446		\$3,948,259		\$140,000		\$151,000
CM Preconstruction Services				\$1,223,690		\$1,775,000		\$1,400,000		\$1,500,000
Construction Contingency	\$1,617,287	\$1,695,000	\$2,284,845	\$1,800,000	\$1,311,474	\$1,500,000	\$2,298,138	\$1,458,000	\$1,458,000	\$1,500,000
Designer	\$2,520,000	\$3,858,000	\$5,350,185	\$3,471,000	\$2,992,567	\$3,749,120	\$5,208,677	\$2,340,500	\$5,081,128	
OPM & other Professional services	\$1,006,729	\$1,267,400	\$1,619,545	\$1,324,000	\$1,111,192	\$1,218,842	\$1,712,274	\$930,803	\$1,915,872	
FF&E/IT	\$748,000	\$1,656,000	\$1,920,000	\$1,600,000	\$1,116,000	\$852,000	\$2,364,000	\$648,000	\$1,620,000	
Legal Fees	\$50,000	\$35,000	\$50,000	\$25,000				\$15,000		
Other Soft Costs	\$80,000	\$2,053,660	\$375,000	\$305,000	\$305,000	\$1,645,000	\$415,000	\$1,306,550	\$560,450	
Owner's Contingency	\$647,964	\$120,000	\$100,000	\$250,000	\$360,210	\$438,683	\$380,067	\$546,700	\$842,000	
	Total Project Budget ****	\$28,183,801	\$44,382,396	\$58,436,926	\$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				\$794,473			\$1,200,045	\$1,814,320	\$1,093,508	\$1,034,537
Scope Exclusions	\$3,787,407	\$7,443,586	\$8,013,140	\$9,366,838	\$4,849,900	\$12,970,025	\$10,925,323	\$4,695,465	\$13,727,859	
Basis for Total Facilities Grant Reimbursement Rate	\$24,396,394 62.69%	\$36,938,810 80.00%	\$49,629,313 89.17%	\$34,564,525 80.00%	\$28,701,841 40.10%	\$25,404,041 59.73%	\$48,160,357 59.94%	\$19,681,180 52.88%	\$43,454,354 80.00%	
Maximum Facilities Grant	\$15,294,099	\$29,551,048	\$29,365,665	\$27,651,620	\$11,509,438	\$15,173,834	\$28,082,547	\$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	Jun-15	Aug-15	Sep-15	Nov-15	Nov-15	Jan-16	Mar-16	Jul-16	
District	Woburn	Brookline ²	New Bedford	Hopkinton	Carver	Narragansett	Granby	Dedham	Hanover ³	
School Name	Wyman-Hurid ES	Edward Devotion School	John Hannigan ES	Early Elementary School	Carver ES	Templeton Center ES	West Street ES	Early Childhood Education Center	Sylvester ES (2-4)	
Construction Type	New	Add/Reno	New	New	New	New	Add/Reno	New	Add/Reno	
Enrollment	410	1,010	400	395	750	580	430	200	560	
GSF	70,701	227,087	74,056	83,256	112,278	92,735	68,760	50,988	97,099	
Assumed Start of Construction	Jul-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Feb-17	May-17	Jun-17	
OPM	Municipal Building Consultants, Inc.	Town Employee	Daedalus Projects, Inc.	Compass Project Management	PMA Construction Services	Strategic Building Solutions, LLC	Colliers International	CMS, Inc.	P-Three, Inc.	
Designer	DiNisco Design Partnership	HMFH	Turowski2 Architecture, Inc.	Drumme Rosane Anderson, Inc.	HMFH Architects, Inc.	SMMA	Jones Whitsett Architects, Inc.	Knight, Bagge & Anderson, Inc.	Mount Vernon Group Architects, Inc.	
Cost Estimator	Cost Pro	AM Fogarty	Project Mgmt & Cost	PM&C	PM&C	PM&C	PM&C	Atlantic Construction & Management, Inc.	North Bay Company, Inc.	
Division	Description of Work									
Total Costs										
A	Substructure	\$888,881	\$5,006,137	\$1,153,407	\$1,439,223	\$1,919,157	\$1,555,000	\$1,016,000	\$1,588,492	\$821,629
B	Shell	\$6,699,193	\$18,626,271	\$7,866,051	\$7,580,094	\$8,993,499	\$8,828,000	\$4,762,144	\$4,835,183	\$4,835,183
B10	Superstructure	\$2,371,245	\$7,799,768	\$2,760,205	\$2,536,510	\$3,240,141	\$2,871,000	\$1,179,000	\$1,271,322	\$1,330,033
B20	Exterior Enclosure	\$3,660,337	\$8,380,314	\$3,739,412	\$3,841,340	\$4,384,654	\$4,892,000	\$2,241,000	\$1,921,734	\$1,902,799
B2010	Exterior Walls	\$2,521,339	\$4,608,983	\$0	\$2,183,677	\$3,013,129	\$3,325,000	\$1,549,000	\$1,921,734	\$972,627
B2020	Exterior Windows	\$1,101,466	\$3,609,946	\$0	\$1,632,515	\$1,254,560	\$1,499,000	\$578,000		
B2030	Exterior Doors	\$37,532	\$161,385	\$0	\$25,148	\$116,965	\$68,000	\$114,000		
B30	Roofing	\$667,611	\$2,446,189	\$1,366,434	\$1,202,244	\$1,368,704	\$1,065,000	\$1,087,000	\$1,569,088	\$1,602,351
C	Interiors	\$3,943,755	\$13,217,513	\$3,536,210	\$4,894,994	\$5,543,110	\$4,953,000	\$3,242,000	\$2,889,091	\$3,343,363
D	Services	\$5,818,582	\$19,195,010	\$6,538,702	\$7,435,950	\$8,824,725	\$8,143,000	\$6,743,000	\$3,551,798	\$7,667,670
D10	Conveying	\$139,432	\$368,000	\$138,000	\$103,000	\$93,000	\$147,000	\$0	\$-856,000	\$143,085
D20	Plumbing	\$801,520	\$2,520,601	\$948,658	\$1,144,413	\$1,195,753	\$1,111,000	\$973,000	\$681,381	\$762,655
D30	HVAC	\$2,685,224	\$9,375,229	\$2,847,476	\$2,829,514	\$3,618,612	\$3,582,000	\$3,022,000	\$1,823,092	\$3,344,960
D40	Fire Protection	\$321,690	\$1,145,669	\$313,420	\$400,465	\$625,980	\$468,000	\$571,000	\$231,000	\$292,847
D50	Electrical Utilities	\$1,870,716	\$5,785,511	\$2,291,148	\$2,958,558	\$3,291,380	\$2,835,000	\$2,177,000	\$1,672,325	\$3,124,123
E	Furnishings & Fixed Equipment	\$901,375	\$1,865,164	\$1,442,251	\$1,442,251	\$1,211,340	\$1,409,000	\$1,224,000	\$1,010,269	\$1,010,269
	Building Value Engineering							\$519,545		
	Building Subtotal	\$18,251,786	\$57,910,095	\$20,536,621	\$21,864,684	\$26,491,831	\$24,888,000	\$16,570,000	\$13,433,470	\$17,678,114
F	Special Construction & Demo		\$2,923,808	\$659,525		\$1,560,596	\$209,000	\$701,000	\$720,948	\$762,379
G	Other Site Construction	\$3,163,898	\$5,247,928	\$1,904,373	\$3,859,795	\$2,699,879	\$2,876,000	\$3,129,000	\$3,674,732	\$2,240,677
G10	Site Preparation	\$568,749	\$1,061,645	\$219,250	\$454,676	\$562,950	\$512,000	\$311,000	\$787,297	\$254,429
G20	Site Improvements	\$2,045,841	\$3,211,097	\$1,047,034	\$2,099,046	\$1,061,903	\$1,384,000	\$1,486,000	\$2,046,048	\$1,362,811
G30	Mechanical Utilities	\$443,388	\$671,911	\$316,989	\$921,523	\$969,526	\$747,000	\$1,003,000	\$300,000	\$482,919
G40	Electrical Utilities	\$105,920	\$303,275	\$322,100	\$384,550	\$105,500	\$233,000	\$320,000	\$1,141,387	\$140,518
	Other Site Construction	\$0	\$0	\$0	\$0	\$0	\$350,000	\$0	\$0	\$0
	Subtotal	\$21,415,684	\$66,081,831	\$23,100,519	\$25,724,479	\$30,752,306	\$28,323,000	\$20,400,000	\$17,829,150	\$20,681,170
Z	Mark-Ups	\$3,836,995	\$21,865,890	\$5,994,446	\$7,873,034	\$7,768,579	\$7,197,000	\$5,042,000	\$4,136,363	\$4,555,422
Z	Insurance		\$1,456,458	\$326,297	\$744,237	\$417,001	\$334,000	\$0	\$267,437	
Z	Subcontractor Bond		\$261,038	\$0	\$347,501	\$338,000	\$400,000	\$392,241		
Z	Design & Pricing Contingency	\$1,761,815	\$7,800,241	\$2,310,067	\$2,572,448	\$3,075,231	\$2,832,000	\$2,195,000	\$1,782,915	\$1,606,555
Z	General Conditions	\$2,075,180	\$8,561,627	\$1,950,000	\$3,236,808	\$2,759,000	\$2,759,000	\$1,755,000	\$1,248,041	\$2,088,345
Z	Overhead & Profit / GMP Fee		\$1,902,498	\$1,147,044	\$643,112	\$1,148,838	\$934,000	\$692,000	\$445,729	\$860,522
Z	CM@Risk Contingency		\$2,145,066	\$676,429	\$0	\$0	\$0	\$0		
	Construction Subtotal	\$25,252,679	\$87,947,721	\$29,094,965	\$33,597,513	\$38,520,885	\$35,520,000	\$25,442,000	\$21,965,513	\$25,236,592
Z	Project Scope Adjustments									
Z	Escalation to Construction Mid-Point	\$1,032,835	\$4,290,133	\$697,767	\$1,543,469	\$922,569	\$1,002,000	\$1,011,000	\$1,248,040	\$839,080
	Total Construction Cost	\$26,285,514	\$92,237,854	\$29,792,732	\$35,140,982	\$39,443,454	\$36,522,000	\$26,453,000	\$23,213,553	\$26,075,672
	Cost per Square Foot	\$372	\$406	\$402	\$422	\$351	\$394	\$385	\$455	\$269
Bid Alternates			\$0	\$0	\$1,983,313	\$0	\$0	\$0	\$0	\$0
CM Reconstruction Services		\$300,000	\$0	\$100,000	\$0	\$0	\$0	\$0	\$0	\$0
Construction Contingency	\$1,314,276	\$5,691,859	\$1,117,227	\$1,528,633	\$1,972,173	\$1,831,390	\$1,322,650	\$1,160,678	\$1,049,427	\$1,049,427
Designer	\$3,095,887	\$11,138,797	\$3,440,738	\$3,926,412	\$4,587,443	\$4,530,226	\$3,077,000	\$3,119,800	\$2,821,662	\$2,821,662
OPM & other Professional services	\$1,075,599	\$3,480,000	\$932,500	\$1,404,576	\$1,732,408	\$1,478,568	\$1,300,000	\$1,081,220	\$1,055,400	\$1,055,400
FF&E/IT	\$1,077,000	\$3,535,000	\$960,000	\$1,090,678	\$1,800,000	\$2,113,000	\$1,032,000	\$662,000	\$1,344,000	\$1,344,000
Legal Fees	\$25,000	\$100,000	\$0	\$15,000	\$20,000	\$20,000	\$20,000	\$30,000	\$0	\$0
Other Soft Costs	\$340,000	\$2,706,000	\$429,000	\$2,111,000	\$1,555,000	\$368,000	\$343,000	\$220,000	\$50,000	\$50,000
Owner's Contingency	\$492,120	\$960,490	\$75,000	\$312,092	\$259,794	\$700,000	\$661,325	\$276,151	\$50,000	\$50,000
	Total Project Budget ****	\$33,705,396	\$120,150,000	\$36,747,197	\$45,629,373	\$51,953,585	\$47,563,184	\$34,208,975	\$29,763,402	\$32,446,161
Bid Alternates		\$0	\$0	\$1,983,313	\$0	\$0	\$0	\$0	\$0	\$0
Ineligible Costs & Contingency	\$1,051,421	\$3,847,102	\$819,300	\$1,177,223	\$1,577,738	\$1,466,170	\$793,590	\$928,542	\$527,914	\$527,914
Scope Exclusions	\$6,370,769	\$45,722,479	\$7,519,670	\$12,860,116	\$6,313,712	\$9,765,376	\$5,716,963	\$7,844,433	\$1,803,255	\$1,803,255
	Basis for Total Facilities Grant Reimbursement Rate	\$26,283,206 54.74%	\$70,580,419 38.30%	\$28,408,227 80.00%	\$31,592,034 44.50%	\$42,078,822 59.47%	\$36,331,638 63.11%	\$27,698,422 51.33%	\$20,990,427 51.33%	\$30,114,992 53.70%
	Maximum Facilities Grant	\$14,387,427	\$27,032,300	\$22,726,582	\$14,058,455	\$25,024,275	\$22,928,897	\$17,624,506	\$10,774,386	\$16,168,657

2 - Brookline - Cost recovery amount of \$47,039 not deducted from Maximum Facilities Grant.
 3 - 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	Jul-16	Sep-16	Nov-16	Nov-16	May-17	Aug-17	Aug-17	Feb-18	Feb-18	
District	Needham	Amherst ⁴	Bourne	Newton	Millis	Clarksburg	Lexington	Taunton	Tisbury	
School Name	Hillside ES (K-5)	Wildwood ES	Peebles ES	Cabot ES	Clyde Brown ES	Clarksburg ES	Maria Hastings ES	James L. Mulcahey ES	Tisbury ES	
Construction Type	New	New	New	Add/Reno	New	Add/Reno	New	New	New	
Enrollment	430	750	460	480	515	150	645	735	285	
GSF	90,702	122,272	72,680	84,262	89,852	38,132	110,000	119,693	75,390	
Assumed Start of Construction	Jun-18	Oct-17	Nov-17	Jul-17	Feb-18	Jun-18	Jun-18	Jan-19	May-19	
OPM	Town Employee	JLA / NV5	SMMMA	Joslin, Lesser & Associates, Inc.	Compass Project Management, Inc.	PCA360	Dore & Whittier Management Partners, LLC	Dore & Whittier Management Partners, LLC	Daedalus Projects, Inc.	
Designer	Dore + Whittier Architects, Inc.	JCJ Architecture	Flansburgh Associates, Inc.	DiNisco Design Partnership	Tappe Associates, Inc.	Jones Whitsett Architects, Inc.	DiNisco Design Partnership, Ltd.	DiNisco Design Partnership, Ltd.	Turowski2 Architecture, Inc.	
Cost Estimator	Daedalus Projects, inc.	AM Fogarty	PM&C	A.M. Fogarty	A.M. Fogarty	PM&C	A.M. Fogarty	PM&C	PM&C	
Division	Description of Work	Total Costs								
A	Substructure	\$2,061,284	\$2,919,858	\$1,402,824	\$1,570,341	\$2,259,963	\$496,623	\$1,555,509	\$2,921,419	\$1,684,650
B	Shell	\$10,879,109	\$8,266,946	\$7,285,296	\$8,128,091	\$8,128,091	\$2,376,531	\$9,941,727	\$11,408,072	\$8,564,814
B10	Superstructure	\$3,389,580	\$4,285,104	\$2,185,854	\$2,315,640	\$2,987,640	\$444,113	\$3,811,128	\$4,079,941	\$2,970,889
B20	Exterior Enclosure	\$4,830,195	\$6,106,169	\$3,808,478	\$4,659,273	\$1,339,304	\$5,188,855	\$5,202,951	\$4,339,581	\$0
B2010	Exterior Walls	\$2,780,753	\$4,494,210	\$2,920,039	\$2,975,035	\$2,070,362	\$814,057	\$3,707,732	\$5,202,951	\$4,339,581
B2020	Exterior Windows	\$1,956,237	\$1,468,053	\$807,041	\$1,522,570	\$975,451	\$467,542	\$1,352,771	\$0	\$0
B2030	Exterior Doors	\$93,205	\$143,906	\$81,398	\$161,668	\$117,950	\$57,705	\$128,352	\$0	\$0
B30	Roofing	\$2,659,334	\$1,961,925	\$1,290,964	\$1,292,033	\$1,976,688	\$593,114	\$941,744	\$2,125,180	\$1,254,344
C	Interiors	\$5,718,816	\$5,687,423	\$3,400,359	\$5,244,398	\$5,445,897	\$1,615,943	\$6,600,680	\$7,638,951	\$4,368,496
D	Services	\$6,649,441	\$11,042,665	\$6,499,599	\$7,889,913	\$3,825,452	\$10,435,050	\$10,221,850	\$6,817,093	\$6,817,093
D10	Conveying	\$138,000	\$115,860	\$100,000	\$172,500	\$109,860	\$155,875	\$181,037	\$153,000	\$138,000
D20	Plumbing	\$1,168,311	\$1,595,158	\$868,831	\$943,426	\$1,255,100	\$569,101	\$1,554,034	\$1,611,050	\$1,000,833
D30	HVAC	\$4,046,974	\$4,750,649	\$2,769,544	\$3,779,394	\$3,510,221	\$1,709,796	\$4,862,536	\$4,184,439	\$2,839,257
D40	Fire Protection	\$408,159	\$507,590	\$265,275	\$404,334	\$244,176	\$472,435	\$614,340	\$453,310	\$453,310
D50	Electrical Utilities	\$2,887,997	\$4,073,408	\$2,495,949	\$2,448,285	\$2,681,743	\$1,146,504	\$3,365,008	\$3,659,021	\$2,385,193
E	Furnishings & Fixed Equipment	\$1,592,010	\$1,663,161	\$646,217	\$1,420,384	\$1,439,609	\$625,282	\$1,531,239	\$1,937,350	\$1,139,573
	Building Value Engineering				\$0					\$0
	Building Subtotal	\$28,900,660	\$33,666,305	\$19,234,295	\$24,391,982	\$25,234,818	\$8,939,831	\$30,064,205	\$34,127,642	\$22,574,626
F	Special Construction & Demo	\$765,179	\$1,129,600	\$1,129,600	\$991,330	\$1,062,765	\$1,152,153	\$772,817	\$1,331,060	\$944,296
G	Other Site Construction	\$4,136,276	\$5,385,915	\$3,790,300	\$3,063,260	\$6,324,895	\$1,181,406	\$8,745,907	\$4,232,839	\$3,781,547
G10	Site Preparation	\$432,714	\$1,193,447	\$911,307	\$746,561	\$1,650,973	\$182,880	\$1,598,934	\$485,948	\$487,537
G20	Site Improvements	\$2,389,847	\$2,663,982	\$1,745,604	\$1,607,540	\$2,611,808	\$517,495	\$3,574,694	\$1,534,926	\$2,056,640
G30	Mechanical Utilities	\$966,020	\$1,174,586	\$995,490	\$390,885	\$1,189,956	\$235,280	\$3,006,382	\$1,798,915	\$924,900
G40	Electrical Utilities	\$347,695	\$353,900	\$237,899	\$318,274	\$872,148	\$245,951	\$565,897	\$413,150	\$313,470
	Other Site Construction	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$314,342
	Subtotal	\$33,802,115	\$40,344,220	\$24,154,195	\$28,446,572	\$32,622,468	\$11,273,390	\$39,582,929	\$39,691,541	\$27,614,811
Z	Mark-Ups	\$8,172,800	\$12,034,089	\$5,714,961	\$6,770,614	\$9,241,755	\$2,722,598	\$11,629,207	\$8,993,460	\$8,530,372
Z	Insurance	\$504,230	\$318,283	\$318,283	\$316,889	\$326,841	\$145,070	\$0	\$564,860	\$396,710
Z	Subcontractor Bond	\$403,383	\$564,819	\$345,961	\$279,793	\$370,637	\$132,403	\$1,123,674	\$564,860	\$364,973
Z	Design & Pricing Contingency	\$3,349,807	\$4,034,423	\$2,421,419	\$2,035,859	\$2,936,022	\$1,129,738	\$3,166,634	\$4,108,075	\$2,730,047
Z	General Conditions	\$2,600,000	\$5,374,978	\$1,937,378	\$2,874,330	\$3,769,376	\$931,779	\$5,017,718	\$2,400,000	\$3,926,840
Z	Overhead & Profit / GMP Fee	\$1,315,380	\$1,161,000	\$691,920	\$680,000	\$1,038,814	\$383,608	\$1,038,694	\$1,355,665	\$1,111,802
Z	CM@Risk Contingency	\$0	\$898,869	\$0	\$583,743	\$800,065	\$0	\$1,282,487	\$0	\$0
	Construction Subtotal	\$41,974,915	\$52,378,309	\$29,869,156	\$35,217,186	\$41,864,223	\$13,995,988	\$51,212,136	\$48,685,001	\$36,145,183
Z	Project Scope Adjustments	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Z	Escalation to Construction Mid-Point	\$3,490,499	\$1,573,022	\$1,041,210	\$1,033,590	\$727,170	\$324,690	\$1,761,282	\$1,389,204	\$1,706,279
	Total Construction Cost	\$45,465,414	\$53,951,331	\$30,910,366	\$36,250,776	\$42,591,393	\$14,320,678	\$52,973,418	\$50,074,205	\$37,851,462
	Cost per Square Foot	\$501.26	\$441	\$425	\$430	\$474	\$376	\$482	\$418	\$502
Bid Alternates	\$0	\$0	\$0	\$0	\$445,000	\$600,000	\$0	\$0	\$0	\$0
CM Preconstruction Services	\$0	\$40,000	\$0	\$0	\$120,000	\$100,000	\$0	\$170,000	\$0	\$0
Construction Contingency	\$2,276,000	\$2,700,000	\$1,545,518	\$1,800,000	\$1,703,656	\$1,703,656	\$1,074,051	\$1,500,000	\$2,500,000	\$1,600,000
Designer	\$5,396,000	\$5,687,597	\$3,676,037	\$4,515,000	\$4,612,351	\$1,963,965	\$1,963,965	\$5,360,000	\$5,585,516	\$4,100,500
OPM & other Professional services	\$1,655,000	\$1,988,297	\$1,394,863	\$1,744,000	\$1,756,457	\$874,467	\$2,040,000	\$1,695,182	\$1,341,000	\$1,341,000
FF&E/IT	\$1,075,000	\$1,800,000	\$1,380,000	\$1,410,000	\$1,236,000	\$450,000	\$2,210,000	\$2,832,000	\$1,110,000	\$1,110,000
Legal Fees	\$0	\$0	\$0	\$0	\$20,000	\$12,500	\$30,000	\$25,000	\$7,500	\$7,500
Other Soft Costs	\$7,764,000	\$500,000	\$319,000	\$2,355,000	\$346,000	\$115,000	\$556,000	\$400,000	\$257,500	\$257,500
Owner's Contingency	\$2,276,000	\$540,000	\$360,000	\$360,000	\$400,000	\$286,414	\$500,000	\$1,859,928	\$300,000	\$300,000
	Total Project Budget ****	\$65,907,414	\$67,207,225	\$39,919,041	\$48,999,776	\$53,365,857	\$19,097,075	\$65,339,418	\$64,971,831	\$46,567,962
Bid Alternates	\$0	\$0	\$0	\$0	\$600,000	\$0	\$0	\$0	\$0	\$0
Ineligible Costs & Contingency	\$1,821,346	\$2,160,487	\$1,236,414	\$1,074,984	\$1,277,742	\$787,637	\$970,266	\$1,999,258	\$1,221,485	\$1,221,485
Scope Exclusions	\$23,720,648	\$14,536,504	\$7,528,850	\$12,934,888	\$14,079,854	\$17,138,811	\$16,649,734	\$17,138,811	\$12,416,391	\$12,416,391
	Basis for Total Facilities Grant Reimbursement Rate	\$40,365,420 34.72%	\$50,510,234 68.34%	\$31,153,777 48.63%	\$34,989,904 40.22%	\$37,408,261 57.27%	\$16,659,704 70.62%	\$47,230,341 35.79%	\$52,928,971 80.00%	\$32,930,086 44.28%
	Maximum Facilities Grant	\$14,014,874	\$34,454,412	\$15,150,082	\$14,072,939	\$21,423,711	\$11,765,083	\$16,903,739	\$42,343,177	\$14,581,442

4 - Amherst Wildwood ES - The Maximum Facilities Grant Includes cost recovery of \$64,282 in state funds.

Information as of:

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

Elementary School

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October 2021 Board Meeting

Date Board Approved	Feb-18	Apr-18	Apr-18	Apr-18	Jun-18	Aug-18	Aug-18	Aug-18	Aug-18	
District	Ludlow	Marlborough	Ipswich ⁵	Harvard ⁶	Northbridge	Easthampton	Foxborough	Manchester Essex ⁷	Springfield ⁸	
School Name	Chapin Street ES	Richer ES	Winthrop ES	Hildreth ES	W. Edward Balmer ES	Maple ES	Mabelle Burrell ES	Manchester Memorial ES	Brightwood ES	
Construction Type	New	New	New	New	New	New	Add/Reno	New	New	
Enrollment	630	610	775	445	1,030	1,010	270	335	800	
GSF	106,250	111,437	123,535	85,214	167,352	177,370	61,455	77,102	150,500	
Assumed Start of Construction	May-19	Jul-18	Jun-19	Jun-19	Jul-19	Aug-19	Nov-19	Jun-19	Aug-19	
OPM	STV/DPM	Daedalus Projects, Inc.	PMA Consultants	NV5 Global	Symmes Maini & Mckee	Colliers International	Colliers International	Dore and Whittier	Skanska	
Designer	Mount Vernon Group	Mount Vernon Group	Perkins Eastman	Arrowstreet Inc.	Dore & Whittier	Caolo & Bieniek Associates	Kaestle Boos Associates	JCJ Architecture	Dinisco Design	
Cost Estimator	Fennessy Consulting Services	Fennessy Consulting Services	A.M. Fogarty	PM&C	PM&C	A.M. Fogarty	PM&C	VJ Associates	A.M. Fogarty	
Division	Description of Work									Total Costs
A	Substructure	\$3,383,756	\$1,726,416	\$2,090,646	\$2,351,527	\$2,912,698	\$5,665,000	\$954,000	\$2,243,302	\$2,471,000
B	Shell	\$9,173,906	\$10,516,667	\$13,149,644	\$16,347,473	\$10,404,610	\$16,348,000	\$5,617,000	\$8,545,180	\$13,614,700
B10	Superstructure	\$3,936,136	\$4,288,148	\$5,126,486	\$3,889,954	\$5,613,302	\$5,630,000	\$843,000	\$3,176,554	\$5,578,900
B20	Exterior Enclosure	\$3,693,380	\$4,533,265	\$6,359,273	\$4,627,726	\$7,266,145	\$8,220,000	\$3,065,000	\$3,554,555	\$6,488,900
B2010	Exterior Walls	\$2,594,955	\$3,473,140	\$4,608,728	\$3,267,076	\$5,072,972	\$5,868,000	\$2,325,000	\$2,254,320	\$4,429,800
B2020	Exterior Windows	\$1,028,925	\$971,625	\$1,599,775	\$1,291,250	\$2,052,298	\$2,179,000	\$685,000	\$1,136,531	\$1,212,700
B2030	Exterior Doors	\$69,500	\$88,500	\$150,770	\$69,400	\$140,875	\$173,000	\$55,000	\$163,704	\$86,400
B30	Roofing	\$1,544,390	\$1,695,254	\$1,663,885	\$1,886,930	\$3,468,026	\$2,498,000	\$1,709,000	\$1,814,071	\$1,546,900
C	Interiors	\$5,914,927	\$5,853,397	\$7,416,167	\$5,385,922	\$10,442,201	\$12,433,000	\$12,433,000	\$4,914,859	\$10,651,400
D	Services	\$10,177,070	\$10,850,564	\$12,050,120	\$7,366,366	\$15,068,188	\$20,670,000	\$6,011,000	\$7,081,683	\$15,558,800
D10	Conveying	\$131,100	\$131,100	\$306,500	\$95,000	\$132,820	\$326,000	\$124,000	\$124,000	\$354,400
D20	Plumbing	\$1,571,600	\$1,493,450	\$1,642,021	\$926,051	\$1,941,389	\$3,045,000	\$846,000	\$893,867	\$1,835,900
D30	HVAC	\$4,781,250	\$5,032,350	\$5,575,223	\$3,269,877	\$6,743,029	\$8,965,000	\$2,331,000	\$3,410,209	\$6,755,200
D40	Fire Protection	\$533,950	\$606,187	\$555,085	\$408,439	\$725,979	\$1,029,000	\$322,000	\$333,686	\$640,500
D50	Electrical Utilities	\$3,159,170	\$3,587,477	\$3,971,291	\$2,666,999	\$5,524,978	\$7,305,000	\$2,512,000	\$2,319,921	\$5,972,800
E	Furnishings & Fixed Equipment	\$1,585,038	\$2,084,080	\$1,973,224	\$1,263,441	\$2,420,706	\$2,636,000	\$1,184,875	\$1,184,875	\$1,741,600
	Building Value Engineering									
	Building Subtotal	\$30,234,697	\$31,031,124	\$36,679,801	\$26,771,866	\$47,191,266	\$57,752,000	\$17,853,000	\$23,969,899	\$44,037,500
F	Special Construction & Demo	\$1,047,629	\$0	\$1,143,250	\$1,184,272	\$1,541,660	\$3,189,000	\$870,700	\$1,722,251	\$1,722,251
G	Other Site Construction	\$4,084,288	\$4,513,822	\$5,403,517	\$4,750,954	\$9,415,334	\$9,394,000	\$1,871,000	\$4,028,560	\$5,940,700
G10	Site Preparation	\$1,089,044	\$1,918,940	\$566,768	\$903,700	\$2,023,342	\$3,019,000	\$278,000	\$1,391,110	\$945,700
G20	Site Improvements	\$2,034,819	\$1,646,547	\$2,349,886	\$2,465,089	\$4,639,089	\$3,680,000	\$1,062,000	\$1,410,760	\$3,822,100
G30	Mechanical Utilities	\$696,425	\$640,435	\$1,908,065	\$1,071,965	\$2,032,442	\$2,128,000	\$255,000	\$889,290	\$985,400
G40	Electrical Utilities	\$265,000	\$308,000	\$578,800	\$310,200	\$720,461	\$567,000	\$276,000	\$237,400	\$87,500
	Other Site Construction	\$0	\$2,750,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Subtotal	\$35,366,614	\$38,294,946	\$43,226,669	\$32,707,092	\$58,148,260	\$70,335,000	\$20,594,700	\$29,720,710	\$49,978,200
Z	Mark-Ups	\$7,849,000	\$8,797,000	\$10,008,441	\$9,310,736	\$17,097,947	\$15,095,000	\$5,411,000	\$9,638,151	\$14,131,700
Z	Insurance	\$499,000	\$512,000	\$622,217	\$505,127	\$912,000	\$276,000	\$0	\$278,875	\$1,057,200
Z	Subcontractor Bond	\$428,000	\$431,000	\$497,773	\$292,609	\$654,000	\$165,000	\$0	\$0	\$0
Z	Design & Pricing Contingency	\$3,540,000	\$3,560,000	\$4,316,080	\$2,853,032	\$6,066,364	\$6,983,000	\$2,030,000	\$3,661,591	\$4,997,800
Z	General Conditions	\$2,214,000	\$3,120,000	\$2,700,000	\$3,758,922	\$5,364,384	\$4,625,000	\$2,174,000	\$4,118,165	\$4,651,900
Z	Overhead & Profit / GMP Fee	\$1,168,000	\$1,174,000	\$1,872,371	\$919,833	\$4,140,383	\$1,921,000	\$766,000	\$890,000	\$1,775,500
Z	CM@Risk Contingency	\$0	\$0	\$0	\$981,213	\$1,526,816	\$689,520	\$1,649,300	\$0	\$0
	Construction Subtotal	\$43,215,614	\$47,091,946	\$53,235,009	\$42,017,828	\$75,246,207	\$85,430,000	\$26,005,700	\$39,358,861	\$64,109,900
Z	Project Scope Adjustments									
Z	Escalation to Construction Mid-Point	\$2,539,000	\$740,000	\$2,300,470	\$981,213	\$4,246,455	\$4,692,000	\$1,052,000	\$1,783,243	\$2,831,300
	Total Construction Cost	\$45,754,614	\$47,831,946	\$55,535,479	\$42,999,041	\$79,492,662	\$90,122,000	\$27,057,700	\$41,142,104	\$66,941,200
	Cost per Square Foot	\$431	\$429	\$450	\$505	\$475	\$508	\$440	\$534	\$445
Bid Alternates	\$0	\$0	\$0	\$187,920	\$250,000	\$0	\$0	\$146,000	\$173,096	\$173,096
CM@Preconstruction Services	\$0	\$0	\$0	\$187,920	\$250,000	\$0	\$0	\$146,000	\$173,096	\$173,096
Construction Contingency	\$2,849,699	\$1,650,000	\$2,776,774	\$2,149,852	\$3,974,633	\$2,253,050	\$1,351,450	\$1,645,684	\$2,008,236	\$2,008,236
Designer	\$4,886,295	\$3,243,592	\$5,551,443	\$4,674,904	\$8,271,042	\$9,477,200	\$2,979,500	\$5,273,440	\$7,088,240	\$7,088,240
OPM & other Professional services	\$1,690,665	\$1,437,000	\$2,881,675	\$1,496,000	\$2,898,004	\$3,247,188	\$2,118,276	\$2,118,276	\$2,395,592	\$2,395,592
FF&E/IT	\$1,700,000	\$1,635,000	\$1,860,000	\$1,335,000	\$3,502,000	\$2,424,000	\$960,217	\$876,000	\$2,456,000	\$2,456,000
Legal Fees	\$10,000	\$15,000	\$25,000	\$0	\$80,000	\$20,000	\$70,000	\$20,000	\$20,000	\$20,000
Other Soft Costs	\$332,000	\$168,000	\$350,000	\$325,000	\$910,000	\$488,500	\$550,000	\$450,000	\$450,000	\$450,000
Owner's Contingency	\$228,148	\$437,800	\$426,348	\$429,990	\$1,589,853	\$1,126,525	\$604,600	\$411,421	\$669,412	\$669,412
	Total Project Budget ****	\$57,451,421	\$56,418,338	\$69,406,719	\$53,597,807	\$100,968,194	\$109,158,463	\$34,671,567	\$52,232,925	\$82,201,776
Bid Alternates										
Ineligible Costs & Contingency	\$2,392,153	\$1,171,681	\$2,221,419	\$1,719,962	\$3,179,706	\$1,351,830	\$810,296	\$1,234,263	\$1,338,824	\$1,338,824
Scope Exclusions	\$9,671,716	\$11,105,800	\$13,366,297	\$14,846,672	\$23,212,964	\$27,501,617	\$6,488,875	\$15,989,213	\$18,087,759	\$18,087,759
	Basis for Total Facilities Grant	\$45,387,552	\$44,140,857	\$53,819,003	\$37,031,173	\$74,575,524	\$80,305,016	\$27,372,396	\$35,009,449	\$62,775,193
	Reimbursement Rate	61.57%	67.71%	50.52%	50.68%	63.78%	63.15%	56.01%	35.93%	80.00%
	Maximum Facilities Grant	\$27,945,116	\$29,887,774	\$27,189,360	\$18,767,398	\$47,564,269	\$50,712,618	\$15,331,279	\$12,578,895	\$50,220,154

5 - Ipswich Winthrop ES - The maximum total facilities grant includes a cost recovery of \$57,195 in state funds.
6 - Harvard Hildreth ES - The maximum total facilities grant includes a cost recovery of \$425,985 in state funds.

7 - Manchester Memorial ES - The maximum total facilities grant includes a cost recovery of \$3,782 in state funds.
8 - Springfield Brightwood ES - The maximum total facilities grant includes a cost recovery of \$1,422 in state funds.

Information as of:

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

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October 2021
 Board Meeting

Date Board Approved	Oct-18	Dec-18	Dec-18	Feb-19	Feb-19	Feb-19	Aug-19	Aug-19	Aug-19	
District	Shrewsbury ⁹	Danvers	Wareham ¹⁰	Marblehead ¹¹	Tewksbury ¹²	Westborough	Amesbury ¹³	Bridgewater-Raynham ¹⁴	Gardner ¹⁵	
School Name	Beal Early Childhood Center	Ivan G Smith ES	Minot Forest ES	Elbridge Gerry ES	Louise Davy Trahan ES	Annie E. Fales ES	Amesbury ES	Mitchell ES	Waterford Street ES	
Construction Type	New	New	New	New	New	New	New	New	New	
Enrollment	790	465	1,020	450	790	400	425	740	925	
GSF	141,600	82,728	159,989	81,935	139,457	70,242	98,195	132,045	147,120	
Assumed Start of Construction	Nov-19	Jan-20	Feb-20	Apr-20	May-20	Feb-20	Jul-20	May-20	Nov-20	
OPM	PMA Consultants	PMA Consultants	PMA Consultants	Letfield	CBRE Heery	Vertex	NV5	Daedalus	Colliers International	
Designer	Lamoureux Pagano & Associates, Inc.	Tappe Architects, Inc.	Mount Vernon Group	Raymond Design	Flansburgh Associates	HMFH	Dinisco	Raymond Design	Jones Whitsett Associates	
Cost Estimator	A.M. Fogarty	PM&C	PM&C	VJ Associates	PM&C	Miyakoda Consulting	A.M. Fogarty	Elana, Inc.	PM&C	
Division	Description of Work		Total Costs							
A	Substructure	\$3,302,132	\$2,372,076	\$3,143,070	\$1,996,258	\$1,621,984	\$1,884,626	\$1,751,786	\$2,072,139	\$2,221,000
B	Shell	\$13,811,211	\$8,918,082	\$15,351,459	\$8,394,423	\$15,083,205	\$9,745,401	\$15,083,205	\$13,430,773	\$15,116,000
B10	Superstructure	\$4,534,040	\$3,318,151	\$6,576,140	\$3,058,130	\$5,750,643	\$2,704,360	\$3,957,302	\$5,668,820	\$4,924,000
B20	Exterior Enclosure	\$7,084,625	\$4,265,909	\$6,535,323	\$3,491,287	\$7,656,396	\$4,813,108	\$3,012,939	\$5,904,873	\$7,710,000
B2010	Exterior Walls	\$5,566,817	\$2,713,846	\$4,353,066	\$1,841,809	\$4,649,281	\$1,922,018	\$3,404,390	\$0	\$0
B2020	Exterior Windows	\$1,400,740	\$1,435,863	\$2,037,377	\$1,494,078	\$1,039,421	\$1,312,996	\$0	\$0	\$0
B2030	Exterior Doors	\$117,068	\$116,200	\$144,880	\$155,400	\$227,269	\$51,500	\$95,722	\$0	\$0
B30	Roofing	\$2,192,546	\$1,334,022	\$2,239,996	\$1,845,006	\$1,676,166	\$1,456,384	\$974,991	\$1,857,080	\$2,482,000
C	Interiors	\$8,691,568	\$5,393,298	\$11,129,043	\$5,396,769	\$7,436,523	\$4,342,274	\$6,896,654	\$8,203,966	\$9,406,000
D	Services	\$14,903,495	\$8,289,311	\$14,863,206	\$8,833,040	\$13,653,349	\$12,045,968	\$14,149,607	\$14,892,000	\$14,892,000
D10	Conveying	\$115,037	\$180,000	\$266,500	\$174,000	\$153,000	\$138,000	\$174,000	\$240,000	\$328,000
D20	Plumbing	\$2,307,592	\$1,128,459	\$2,287,845	\$1,392,360	\$2,092,842	\$1,372,393	\$1,625,965	\$2,115,408	\$2,014,000
D30	HVAC	\$5,632,726	\$3,982,238	\$6,680,453	\$3,926,500	\$6,286,195	\$4,899,128	\$4,925,032	\$6,346,224	\$6,552,000
D40	Fire Protection	\$623,040	\$370,275	\$792,425	\$462,380	\$715,143	\$423,427	\$476,381	\$859,385	\$665,000
D50	Electrical Utilities	\$6,225,100	\$2,628,339	\$4,835,983	\$2,877,800	\$4,406,169	\$5,213,020	\$3,639,616	\$4,588,590	\$5,333,000
E	Furnishings & Fixed Equipment	\$2,673,999	\$1,646,509	\$2,284,255	\$1,932,820	\$1,988,007	\$1,751,203	\$1,988,007	\$2,324,138	\$3,092,000
	Building Value Engineering									
	Building Subtotal	\$43,382,405	\$26,619,276	\$46,771,033	\$26,553,310	\$39,783,068	\$27,197,754	\$31,212,190	\$40,180,623	\$44,727,000
F	Special Construction & Demo	\$1,975,000	\$697,500	\$1,392,030	\$1,253,397	\$734,600	\$988,000	\$0	\$1,650,000	\$0
G	Other Site Construction	\$9,502,821	\$3,892,438	\$8,615,912	\$3,979,654	\$13,213,699	\$5,299,835	\$7,834,736	\$7,129,432	\$11,718,000
G10	Site Preparation	\$2,543,513	\$748,429	\$1,928,356	\$1,044,320	\$1,909,485	\$1,345,101	\$1,393,930	\$1,553,177	\$1,944,000
G20	Site Improvements	\$4,656,664	\$1,860,369	\$3,328,507	\$2,060,334	\$5,798,213	\$2,838,031	\$4,086,886	\$3,752,886	\$7,041,000
G30	Mechanical Utilities	\$1,702,407	\$979,880	\$2,733,399	\$489,400	\$4,318,901	\$850,180	\$1,447,039	\$1,300,000	\$2,128,000
G40	Electrical Utilities	\$600,237	\$303,960	\$625,650	\$385,600	\$1,187,100	\$266,523	\$906,881	\$523,375	\$605,000
	Other Site Construction	\$500,000	\$0	\$0	\$0	\$3,528,229	\$0	\$0	\$0	\$0
	Subtotal	\$54,860,226	\$31,209,214	\$57,278,975	\$31,786,361	\$57,259,596	\$33,485,589	\$39,046,926	\$48,960,055	\$56,445,000
Z	Mark-Ups	\$16,143,772	\$9,679,109	\$11,046,854	\$9,139,292	\$17,328,230	\$9,968,865	\$8,454,032	\$12,639,927	\$12,475,920
Z	Insurance	\$1,564,394	\$952,693	\$605,190	\$548,473	\$1,646,213	\$1,362,815	\$0	\$1,490,803	\$485,000
Z	Subcontractor Bond	\$0	\$0	\$605,190	\$0	\$0	\$825,838	\$477,057	\$820,000	\$820,000
Z	Design & Pricing Contingency	\$5,486,023	\$3,239,516	\$4,744,593	\$3,178,636	\$5,725,960	\$3,249,759	\$3,123,754	\$4,896,005	\$5,644,000
Z	General Conditions	\$5,475,362	\$3,765,387	\$3,240,000	\$3,724,000	\$3,724,000	\$3,544,108	\$4,039,204	\$3,865,000	\$3,865,000
Z	Overhead & Profit / GMP Fee	\$1,807,606	\$1,008,819	\$1,851,881	\$1,052,456	\$4,836,802	\$1,224,664	\$960,332	\$1,736,858	\$1,561,000
Z	CM@Risk Contingency	\$1,810,387	\$712,694	\$0	\$635,727	\$1,819,255	\$1,229,994	\$0	\$0	\$0
	Construction Subtotal	\$71,003,998	\$40,888,323	\$68,325,829	\$40,925,653	\$74,587,826	\$43,454,454	\$47,500,958	\$61,599,982	\$68,920,000
Z	Project Scope Adjustments	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Z	Escalation to Construction Mid-Point	\$3,107,832	\$1,185,950	\$3,740,549	\$2,860,773	\$2,862,980	\$2,172,723	\$1,475,974	\$3,079,999	\$2,017,000
	Total Construction Cost	\$74,111,830	\$42,074,273	\$72,066,378	\$43,786,426	\$77,450,806	\$45,627,177	\$48,976,932	\$64,679,981	\$70,937,000
	Cost per Square Foot	\$523	\$509	\$450	\$534	\$555	\$650	\$499	\$490	\$482
Bid Alternates	\$0	\$0	\$0	\$0	\$0	\$8,402,618	\$0	\$0	\$0	\$0
CM Preconstruction Services	\$250,000	\$150,000	\$0	\$225,000	\$225,000	\$200,000	\$0	\$0	\$0	\$0
Construction Contingency	\$3,705,591	\$1,682,971	\$3,603,319	\$1,751,457	\$3,676,040	\$2,281,359	\$2,272,346	\$3,250,000	\$3,546,850	\$3,546,850
Designer	\$7,784,711	\$4,453,985	\$7,831,637	\$4,864,230	\$8,780,549	\$4,958,800	\$5,309,685	\$6,815,000	\$7,688,700	\$7,688,700
OPM & other Professional services	\$2,768,913	\$1,603,210	\$3,654,483	\$2,402,020	\$3,130,066	\$1,685,143	\$1,742,223	\$2,285,000	\$2,599,595	\$2,599,595
FF&E/IT	\$1,896,000	\$1,116,000	\$2,448,000	\$1,577,985	\$2,686,000	\$1,218,828	\$1,438,936	\$2,460,000	\$2,500,000	\$2,500,000
Legal Fees	\$25,000	\$25,000	\$25,000	\$50,000	\$30,000	\$5,000	\$0	\$35,000	\$20,000	\$20,000
Other Soft Costs	\$1,490,000	\$150,000	\$275,000	\$645,000	\$670,750	\$450,500	\$375,000	\$585,000	\$493,000	\$493,000
Owner's Contingency	\$777,229	\$744,561	\$570,365	\$292,649	\$1,865,513	\$456,272	\$398,448	\$490,019	\$1,773,425	\$1,773,425
	Total Project Budget ****	\$92,809,274	\$52,000,000	\$90,474,182	\$55,594,767	\$98,503,724	\$56,883,079	\$60,513,570	\$80,600,000	\$89,558,570
Bid Alternates	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Ineligible Costs & Contingency	\$2,964,473	\$1,262,228	\$2,882,655	\$1,313,593	\$2,900,532	\$1,825,087	\$1,782,577	\$2,603,200	\$2,837,840	\$2,837,840
Scope Exclusions	\$27,754,565	\$13,794,639	\$17,425,663	\$17,246,571	\$39,869,920	\$17,246,571	\$20,926,539	\$20,926,539	\$22,594,846	\$22,594,846
	Basis for Total Facilities Grant Reimbursement Rate	\$62,090,236 54.86%	\$36,943,133 55.46%	\$70,165,864 74.98%	\$37,034,603 38.56%	\$55,733,272 58.77%	\$33,533,983 48.32%	\$41,484,510 59.28%	\$57,070,261 80.00%	\$64,126,244 80.00%
	Maximum Facilities Grant	\$34,062,703	\$20,488,662	\$52,610,365	\$14,280,543	\$32,754,444	\$16,203,620	\$24,467,564	\$33,831,250	\$51,300,995

9 - Shrewsbury Beal ECC - The maximum total facilities grant includes a cost recovery of \$7,022 in state funds.
 10 - Wareham Minot Forest ES - The maximum total facilities grant includes a cost recovery of \$801,126 in state funds.
 11 - Marblehead Elbridge Gerry ES - The maximum total facilities grant includes a cost recovery of \$1,069 in state funds.
 12 - Tewksbury Louise Davy Trahan ES - The maximum total facilities grant includes a cost recovery of \$17,825 in state funds.
 13 - Amesbury ES - The maximum total facilities grant includes a cost recovery of \$1,310 in state funds.
 14 - Bridgewater-Raynham Mitchell ES - The maximum total facilities grant includes a cost recovery of \$3,137 in state funds.
 15 - Gardner Waterford St. ES - The maximum total facilities grant includes a cost recovery of \$89,811 in state funds.
 16 - Millbury R.E. Shaw ES - The maximum total facilities grant includes a cost recovery of \$1,167 in state funds.

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

October 2021 Board Meeting

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Date Board Approved	Aug-19	Aug-19	Oct-19	Oct-19	Oct-19	Apr-20	Jun-20	Oct-20	Feb-21	
District	Millbury ¹⁶	West Springfield ¹⁷	Acton Boxborough ¹⁸	Easton ¹⁹	Rockland ²⁰	Orange ²¹	Springfield ²²	Ashland ²³	Groton-Dunstable	
School Name	R.E. Shaw ES	Coburn ES	CT Douglas ES	Center ES	Jefferson ES	Dexter Park	Springfield Deberry ES	David Mindness	Florence Roche ES	
Construction Type	New	New	New	New	New	Add/Reno	New	New	New	
Enrollment	550	585	990	760	760	520	800	635	645	
GSF	90,266	119,800	174,759	148,422	120,672	97,115	155,900	104,885	109,855	
Assumed Start of Construction	Feb-21	Sep-20	Jul-20	Mar-21	Mar-21	Jul-21	Jun-21	Oct-21	Mar-22	
OPM	Hill International	NV5	Skanska	PMA	PMA	Hill International	Skanska	Compass	Leftfield	
Designer	Turowski2 Architecture	TSKP	Arrowstreet	Perkins Eastman	SMMA	Raymond Desgin Associates, Inc.	Dinisco Design, Inc.	Flansburgh	Studio G Architects	
Cost Estimator	PM&C	A.M. Fogarty	PM&C	PM&C	PM&C	PM&C	A.M. Fogarty	A.M. Fogarty	PM&C	
Division	Description of Work									
A	Substructure	\$2,211,001	\$1,375,243	\$3,689,264	\$2,731,462	\$3,245,315	\$2,351,668	\$2,799,028	\$3,150,159	\$2,628,796
B	Shell	\$9,665,389	\$11,843,671	\$19,292,700	\$19,292,700	\$13,982,462	\$7,455,157	\$14,120,897	\$12,888,826	\$11,773,323
	B10 Superstructure	\$3,405,778	\$4,780,835	\$8,548,132	\$5,504,168	\$4,921,984	\$3,111,335	\$5,382,658	\$4,014,547	\$4,179,663
	B20 Exterior Enclosure	\$4,451,399	\$5,362,939	\$8,667,148	\$8,568,142	\$6,907,550	\$2,898,817	\$6,683,192	\$6,077,803	
	B210 Exterior Walls	\$2,788,709	\$3,065,967	\$6,317,620	\$5,474,330	\$4,137,180	\$1,636,727	\$4,992,554	\$4,630,623	\$4,853,556
	B2020 Exterior Windows	\$1,446,430	\$2,124,341	\$2,206,213	\$2,897,744	\$2,571,670	\$2,057,160	\$1,892,585	\$1,105,452	
	B2030 Exterior Doors	\$216,260	\$172,685	\$143,315	\$196,068	\$198,500	\$195,500	\$184,751	\$159,984	\$118,795
	B30 Roofing	\$1,808,212	\$1,699,843	\$2,077,420	\$2,199,772	\$2,153,128	\$1,445,005	\$1,503,774	\$2,191,087	\$1,515,857
C	Interiors	\$6,586,924	\$8,870,267	\$13,225,612	\$10,107,879	\$9,280,955	\$5,901,417	\$15,247,327	\$6,953,825	\$8,067,260
D	Services	\$9,435,502	\$13,486,393	\$22,340,441	\$16,261,561	\$13,116,200	\$10,087,034	\$17,424,268	\$12,910,414	\$12,447,377
	D10 Conveying	\$122,800	\$174,000	\$338,107	\$238,074	\$140,000	\$170,000	\$437,283	\$174,000	\$208,300
	D20 Plumbing	\$1,373,265	\$1,757,285	\$2,937,131	\$2,338,560	\$2,536,952	\$1,205,735	\$2,323,297	\$1,795,472	\$1,775,837
	D30 HVAC	\$3,977,120	\$6,458,751	\$11,798,387	\$7,326,549	\$5,210,293	\$4,306,881	\$8,496,129	\$6,491,395	\$5,902,177
	D40 Fire Protection	\$473,815	\$793,145	\$1,070,559	\$785,757	\$901,334	\$808,295	\$510,869	\$559,641	
	D50 Electrical Utilities	\$3,488,502	\$4,303,212	\$6,196,257	\$5,572,621	\$4,327,621	\$3,756,979	\$5,359,264	\$3,938,678	\$4,001,422
E	Furnishings & Fixed Equipment	\$2,066,860	\$840,751	\$2,399,635	\$2,717,949	\$874,910	\$601,380	\$4,277,777	\$1,486,101	\$1,770,164
	Building Value Engineering									
	Building Subtotal	\$29,965,676	\$36,416,325	\$60,947,852	\$48,090,933	\$41,722,842	\$26,396,656	\$50,465,797	\$37,389,325	\$36,686,920
F	Special Construction & Demo	\$1,422,466	\$1,820,602	\$2,500,899	\$1,164,000	\$2,172,284	\$1,012,727	\$1,166,750	\$1,890,413	\$705,964
G	Other Site Construction	\$6,712,058	\$4,392,274	\$8,213,150	\$8,044,789	\$8,201,596	\$5,438,731	\$6,767,409	\$12,452,834	\$8,496,672
	G10 Site Preparation	\$893,596	\$700,952	\$1,935,816	\$1,417,454	\$1,591,514	\$1,345,948	\$858,363	\$1,999,841	\$1,526,367
	G20 Site Improvements	\$4,367,272	\$2,388,937	\$4,541,548	\$4,046,257	\$4,812,180	\$2,480,081	\$4,015,851	\$5,005,547	\$4,818,739
	G30 Mechanical Utilities	\$1,022,500	\$1,017,135	\$1,453,117	\$2,108,588	\$801,370	\$895,360	\$1,331,425	\$4,596,040	\$1,688,066
	G40 Electrical Utilities	\$428,700	\$285,250	\$282,669	\$472,490	\$996,532	\$717,342	\$561,770	\$851,406	\$463,500
	Other Site Construction						\$187,990	\$822,196	\$0	\$0
	Subtotal	\$38,100,200	\$42,629,201	\$71,661,701	\$57,299,722	\$52,284,712	\$33,670,310	\$58,399,956	\$51,732,572	\$45,889,556
Z	Mark-Ups	\$8,948,349	\$10,228,125	\$21,194,905	\$13,805,077	\$12,509,563	\$9,768,115	\$15,036,026	\$14,242,871	\$13,357,305
	Z Insurance	\$661,972	\$0	\$1,143,140	\$901,976	\$742,886	\$761,426	\$1,353,109	\$1,298,726	\$738,822
	Z Subcontractor Bond	\$441,315	\$1,049,581	\$1,020,661	\$567,898	\$563,851	\$481,793	\$0	\$395,797	
	Z Design & Pricing Contingency	\$3,810,020	\$4,262,920	\$7,204,879	\$5,729,972	\$5,228,471	\$3,503,950	\$5,407,120	\$5,173,257	\$4,588,956
	Z General Conditions	\$2,600,000	\$3,711,230	\$7,766,116	\$4,778,729	\$5,026,975	\$4,394,007	\$3,722,122	\$4,857,954	\$4,703,190
	Z Overhead & Profit / GMP Fee	\$1,435,042	\$1,204,394	\$2,030,055	\$1,826,502	\$1,580,348	\$1,298,824	\$1,687,500	\$1,490,288	\$1,465,270
	Z CM@Risk Contingency		\$2,030,054	\$2,030,054	\$0	\$0	\$0	\$1,561,322	\$1,422,646	\$1,465,270
	Construction Subtotal	\$47,048,549	\$52,857,326	\$92,856,606	\$71,104,799	\$64,794,275	\$43,438,425	\$73,435,982	\$65,975,443	\$59,246,861
Z	Project Scope Adjustments									
Z	Escalation to Construction Mid-Point	\$2,221,242	\$1,875,685	\$2,399,225	\$3,781,782	\$3,465,479	\$2,292,303	\$4,205,538	\$1,749,853	\$2,294,478
	Total Construction Cost	\$49,269,791	\$54,733,011	\$95,255,831	\$74,886,581	\$68,249,754	\$45,730,728	\$77,641,520	\$67,725,296	\$61,541,339
	Cost per Square Foot	\$546	\$457	\$545	\$505	\$566	\$471	\$498	\$646	\$560
Bid Alternates		\$1,153,731	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
CM Preconstruction Services		\$0	\$0	\$150,000	\$0	\$0	\$0	\$173,000	\$220,000	\$200,000
Construction Contingency		\$2,463,490	\$2,736,651	\$2,381,396	\$3,744,329	\$3,412,488	\$2,286,536	\$2,341,983	\$2,012,000	\$3,077,067
Designer		\$5,397,032	\$5,807,700	\$9,830,583	\$8,215,836	\$7,735,865	\$5,441,400	\$8,327,152	\$7,542,500	\$7,314,700
OPM & other Professional services		\$1,692,813	\$1,974,188	\$3,362,619	\$3,207,826	\$2,650,414	\$3,109,910	\$2,415,333	\$2,998,450	\$2,998,450
FF&E/IT		\$1,650,000	\$1,697,500	\$3,360,000	\$2,100,000	\$2,584,000	\$1,248,000	\$2,335,038	\$2,063,750	\$2,354,305
Legal Fees		\$35,000	\$0	\$50,000	\$50,000	\$50,000	\$10,000	\$35,000	\$35,000	\$50,000
Other Soft Costs		\$163,000	\$1,540,000	\$1,295,000	\$475,000	\$425,000	\$350,000	\$172,000	\$821,300	\$480,000
Owner's Contingency		\$251,635	\$547,330	\$1,643,090	\$2,160,171	\$1,500,000	\$930,040	\$780,661	\$651,821	\$634,873
	Total Project Budget ****	\$60,922,761	\$69,036,380	\$117,328,519	\$94,839,543	\$86,607,521	\$57,697,704	\$95,051,267	\$84,387,000	\$78,650,734
Bid Alternates										
Ineligible Costs & Contingency		\$1,970,792	\$2,189,321	\$1,428,838	\$2,995,463	\$2,729,990	\$1,371,921	\$1,565,568	\$3,873,156	\$2,461,654
Scope Exclusions		\$18,652,096	\$16,701,598	\$39,229,153	\$27,001,876	\$30,372,612	\$13,048,003	\$25,486,814	\$2,334,747	\$26,548,697
	Basis for Total Facilities Grant Reimbursement Rate	\$40,299,873 61.37%	\$50,145,461 80.00%	\$76,670,528 89.70%	\$64,842,204 86.83%	\$53,504,919 77.99%	\$43,277,780 94.62%	\$67,998,885 87.88%	\$49,279,097 74.32%	\$49,640,383 79.54%
	Maximum Facilities Grant	\$24,732,032	\$40,116,369	\$38,105,252	\$36,266,245	\$35,891,100	\$34,622,224	\$54,399,108	\$27,384,394	\$26,503,001

17 - West Springfield Coburn ES - The maximum total facilities grant includes a cost recovery of \$5,462 in state funds.

18 - Acton Boxborough Douglas ES - The maximum total facilities grant includes a cost recovery of \$86,391 in state funds.

19 - Easton Center ES - The maximum total facilities grant includes a cost recovery of \$238,360 in state funds.

20 - Rockland Jefferson ES - The maximum total facilities grant includes a cost recovery of \$6,096 in state funds.

21 - Orange Dexter Park ES - The maximum total facilities grant includes a cost recovery of -\$1,504 in state funds.

22 - Springfield Deberry ES - The maximum total facilities grant includes a cost recovery of -\$190,688 in state funds.

23 - Ashland David Mindness 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

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October 2021 Board Meeting

Date Board Approved	Feb-21	Apr-21	Apr-21	Jun-21	Jun-21	Aug-21	Oct-21	Oct-21	Oct-21	
District	Lawrence ²⁴	Andover ²⁵	Westwood ²⁶	Fitchburg	Swampscott ²⁷	Wellesley ²⁸	Lawrence ²⁹	Medfield ³⁰	Peabody ³¹	
School Name	Oliver Partnership School	West ES	Paul Hanlon ES	Crocker ES	Hadley ES	Hardy ES	Leahy ES	Dale Street ES	Welch ES	
Construction Type	Add/Reno	New	New	New	New	New	New	New	Add/Reno	
Enrollment	1,000	925	560	845	900	365	1,000	575	390	
GSF	162,000	191,028	113,141	115,788	153,855	80,039	173,520	95,828	59,025	
Assumed Start of Construction	Dec-21	Jul-22	Jul-22	Jan-23	Sep-22	Feb-23	Mar-23	Jul-22	Jun-22	
OPM	Anser Advisory	PMA	Compass	Colliers	Hill International	Compass	Atlantic Construction Management	Leftfield	Dore and Whittier	
Designer	SMMA	SMMA	Dore & Whittier	Saam Architets	LaVallee Brensinger Architects	SMMA	Mount Vernon Group	Arrowstreet	Dinisco Design	
Cost Estimator	Miyakonda	PM&C	PM&C	CHA	PM&C	PM&C	Fennesy Consulting Services	PM&C	AM Fogarty	
Division	Description of Work									
A	Substructure	\$10,201,560	\$4,650,588	\$3,036,545	\$2,895,600	\$4,017,486	\$2,276,712	\$1,368,869	\$3,397,470	\$385,501
B	Shell	\$22,594,668	\$24,794,813	\$14,279,800	\$11,647,500	\$10,408,582	\$19,021,201	\$14,609,582	\$12,204,779	\$2,728,712
B10	Superstructure	\$6,238,343	\$6,924,811	\$4,863,807	\$3,618,400	\$6,136,558	\$3,182,438	\$7,799,800	\$1,379,869	\$305,015
B20	Exterior Enclosure	\$15,002,412	\$14,761,259	\$7,372,305	\$6,231,600	\$7,059,273	\$5,663,598	\$8,739,140	\$2,101,695	\$2,101,695
B2010	Exterior Walls	\$10,944,361	\$10,571,188	\$5,498,821	\$4,629,100	\$5,004,834	\$3,689,168	\$5,524,385	\$4,475,452	\$1,220,063
B2020	Exterior Windows	\$3,882,997	\$3,988,513	\$1,725,785	\$1,475,800	\$1,856,230	\$3,614,578	\$1,239,000	\$1,954,590	\$786,321
B2030	Exterior Doors	\$175,054	\$201,558	\$147,699	\$126,700	\$198,209	\$19,500	\$167,930	\$103,198	\$95,311
B30	Roofing	\$1,353,913	\$3,108,743	\$2,043,688	\$1,797,500	\$1,413,550	\$1,562,545	\$1,914,500	\$2,085,770	\$322,002
C	Interiors	\$13,228,351	\$15,827,468	\$7,984,610	\$6,232,700	\$9,804,833	\$6,127,755	\$13,681,558	\$7,201,457	\$2,990,753
D	Services	\$20,386,322	\$23,867,862	\$16,602,880	\$12,245,100	\$19,351,830	\$10,561,054	\$20,828,467	\$13,472,869	\$7,585,427
D10	Conveying	\$456,329	\$523,111	\$143,200	\$138,200	\$468,050	\$130,000	\$462,340	\$150,000	\$165,816
D20	Plumbing	\$2,964,363	\$3,200,662	\$1,803,843	\$1,791,600	\$2,107,065	\$2,432,566	\$1,738,760	\$1,092,894	\$1,092,894
D30	HVAC	\$9,132,132	\$9,821,522	\$9,538,195	\$5,948,700	\$10,601,154	\$4,049,792	\$10,085,857	\$7,571,503	\$3,469,281
D40	Fire Protection	\$1,125,539	\$1,061,730	\$627,100	\$690,000	\$897,400	\$357,870	\$555,807	\$422,357	\$422,357
D50	Electrical Utilities	\$6,707,959	\$9,260,837	\$4,490,542	\$3,676,600	\$5,278,161	\$4,534,113	\$6,896,442	\$3,456,799	\$2,435,079
E	Furnishings & Fixed Equipment	\$2,711,774	\$3,197,271	\$1,861,246	\$1,605,400	\$1,287,650	\$3,139,271	\$1,598,480	\$1,598,480	\$575,124
	Building Value Engineering									
	Building Subtotal	\$69,122,675	\$72,338,002	\$43,765,081	\$34,626,300	\$50,931,200	\$30,661,753	\$58,039,366	\$37,875,055	\$14,265,517
F	Special Construction & Demo	\$2,786,802	\$1,554,630	\$959,200	\$1,780,100	\$1,226,540	\$1,129,600	\$2,250,775	\$1,129,600	\$997,055
G	Other Site Construction	\$3,427,392	\$12,290,123	\$10,165,368	\$3,877,100	\$8,926,257	\$9,074,642	\$1,011,184	\$9,909,678	\$1,531,554
G10	Site Preparation	\$607,295	\$2,168,790	\$2,344,250	\$1,063,800	\$2,677,455	\$2,502,558	\$164,719	\$1,804,820	\$419,505
G20	Site Improvements	\$1,874,454	\$7,317,721	\$4,382,731	\$1,420,800	\$4,050,722	\$3,845,689	\$4,277,710	\$3,953,420	\$868,400
G30	Mechanical Utilities	\$594,239	\$2,088,881	\$2,892,967	\$1,085,700	\$1,656,980	\$2,303,260	\$314,255	\$3,304,748	\$83,760
G40	Electrical Utilities	\$351,414	\$714,741	\$545,420	\$306,800	\$541,100	\$423,125	\$104,500	\$846,690	\$160,259
	Other Site Construction									
	Subtotal	\$75,336,869	\$86,182,755	\$54,889,649	\$40,283,500	\$61,083,997	\$40,865,995	\$61,617,208	\$48,084,733	\$16,794,126
Z	Mark-Ups	\$25,654,484	\$27,308,090	\$12,746,549	\$7,879,300	\$13,798,962	\$10,984,964	\$13,471,138	\$13,714,053	\$5,888,059
Z	Insurance	\$1,773,945	\$1,123,131	\$789,039	\$507,600	\$878,082	\$935,322	\$1,287,226	\$611,816	\$486,958
Z	Subcontractor Bond	\$588,000	\$1,112,011	\$631,231	\$359,500	\$702,466	\$325,459	\$417,147	\$0	\$0
Z	Design & Pricing Contingency	\$7,480,356	\$8,618,276	\$5,488,965	\$2,014,100	\$6,108,400	\$4,022,251	\$6,826,213	\$4,808,473	\$1,083,308
Z	General Conditions	\$11,094,993	\$10,711,964	\$3,787,391	\$3,595,300	\$3,711,643	\$3,060,000	\$5,512,784	\$3,003,178	\$3,003,178
Z	Overhead & Profit / GMP Fee	\$2,100,000	\$2,906,803	\$2,049,923	\$1,402,800	\$2,270,014	\$910,683	\$2,297,699	\$1,251,441	\$569,484
Z	CM@Risk Contingency	\$2,617,190	\$2,835,905				\$1,089,606	\$0	\$1,112,392	\$745,131
	Construction Subtotal	\$100,991,353	\$113,490,845	\$67,636,198	\$48,162,800	\$74,882,959	\$51,860,959	\$75,088,346	\$61,798,786	\$22,682,185
Z	Project Scope Adjustments									
Z	Escalation to Construction Mid-Point	\$3,908,486	\$5,688,062	\$2,744,482	\$1,611,700	\$3,054,200	\$3,708,939	\$6,757,951	\$2,726,404	\$666,651
	Total Construction Cost	\$104,899,839	\$119,178,907	\$70,380,680	\$49,774,500	\$77,937,159	\$55,569,898	\$81,846,297	\$64,525,190	\$23,348,836
	Cost per Square Foot	\$648	\$624	\$622	\$430	\$507	\$694	\$472	\$673	\$396
Bid Alternates							\$675,000			
CM Preconstruction Services	\$260,471	\$400,000				\$0	\$154,225		\$225,000	\$96,076
Construction Contingency	\$3,146,895	\$9,534,313	\$3,519,000	\$2,500,000	\$3,896,858	\$2,778,000	\$2,007,883	\$3,228,260	\$3,228,260	\$830,706
Designer	\$12,176,880	\$12,919,230	\$7,979,290	\$5,373,000	\$8,358,716	\$7,128,960	\$8,964,025	\$7,368,576	\$2,594,583	\$2,594,583
OPM & other Professional services	\$4,025,360	\$4,322,887	\$2,495,116	\$1,912,984	\$2,782,418	\$2,845,119	\$3,697,900	\$2,870,134	\$1,655,132	\$1,655,132
FF&E/IT	\$3,600,000	\$3,330,000	\$1,800,000	\$2,028,000	\$3,240,000	\$1,461,740	\$3,600,000	\$1,955,000	\$936,000	\$936,000
Legal Fees	\$10,000	\$10,000	\$35,000	\$15,000	\$20,000	\$20,000	\$75,000	\$20,000	\$20,000	\$20,000
Other Soft Costs	\$2,092,458	\$1,010,000	\$911,300	\$929,500	\$1,302,000	\$1,302,000	\$2,018,500	\$605,000	\$250,000	\$250,000
Owner's Contingency	\$2,097,997	\$956,631	\$700,000	\$2,500,000	\$779,372	\$860,058	\$1,606,306	\$1,118,504	\$233,488	\$233,488
	Total Project Budget ****	\$132,300,000	\$151,661,968	\$87,820,386	\$65,032,984	\$98,316,523	\$72,500,000	\$103,740,911	\$81,893,664	\$29,973,821
Bid Alternates										
Ineligible Costs & Contingency	\$1,048,998	\$8,342,524	\$2,815,193	\$4,253,383	\$3,507,172	\$2,804,510	\$2,386,495	\$3,376,886	\$3,376,886	\$372,729
Scope Exclusions	\$54,184,052	\$59,451,641	\$38,626,385	\$24,222,255	\$24,478,225	\$30,970,385	\$24,732,738	\$34,854,597	\$17,288,534	\$17,288,534
	Basis for Total Facilities Grant Reimbursement Rate	\$77,066,950 80.00%	\$83,867,803 45.85%	\$46,378,808 39.35%	\$53,557,346 80.00%	\$70,331,126 48.90%	\$38,725,105 34.90%	\$76,621,678 80.00%	\$43,662,181 44.90%	\$27,872,558 63.33%
	Maximum Facilities Grant	\$61,653,560	\$38,453,388	\$18,250,061	\$42,845,877	\$34,391,921	\$13,515,062	\$61,297,342	\$19,604,319	\$17,651,691

24 - Lawrence Oliver Partnership School - The maximum total facilities grant includes a cost recovery of -\$6,009 in state funds.
 25 - Andover West Elementary School - The maximum total facilities grant includes a cost recovery of -\$10,568 in state funds.
 26 - Westwood Hanlon Elementary School - The maximum total facilities grant includes a cost recovery of -\$14,336 in state funds.
 27 - Swampscott Hadley Elementary School - The maximum total facilities grant includes a cost recovery of -\$1,310 in state funds.

28 - Wellesley Hardy Elementary School - The maximum total facilities grant includes a cost recovery of -\$6,533 in state funds.
 29 - Lawrence Leahy Elementary School - The maximum total facilities grant includes a cost recovery of -\$7,044 in state funds.
 30 - Medfield Dale St. Elementary School - The maximum total facilities grant includes a cost recovery of -\$4,324 in state funds.
 31 - Peabody Welch Elementary School - The maximum total facilities grant includes a cost recovery of -\$2,688 in state funds.

Information as of:

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

October 2021
 Board Meeting

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Date Board Approved	Oct-21	Oct-21		
District	Randolph ³²	Westfield ³³	TOTAL ALL ELEMENTARY SCHOOLS	
School Name	Lyons ES	Franklin Ave ES		
Construction Type	New	New		
Enrollment	315	395		
GSF	74,720	88,495		
Assumed Start of Construction	Mar-23	Dec-22		
OPM	CHA Companies	P3		
Designer	TSKP Studios	Caolo & Bieniek Associates		
Cost Estimator	AM Fogarty	AM Fogarty		
Division	Description of Work			
A	Substructure	\$1,296,014	\$1,845,635	\$151,108,003
B	Shell	\$8,836,040	\$10,778,837	\$699,795,299
B10	Superstructure	\$2,632,952	\$3,902,881	\$244,813,006
B20	Exterior Enclosure	\$4,837,368	\$5,312,524	\$349,105,323
B2010	Exterior Walls	\$3,086,139	\$4,076,618	\$222,734,353
B2020	Exterior Windows	\$1,602,159	\$1,127,976	\$92,059,613
B2030	Exterior Doors	\$149,070	\$107,930	\$8,264,780
B30	Roofing	\$1,365,720	\$1,563,432	\$105,876,970
C	Interiors	\$5,626,602	\$7,430,228	\$444,542,333
D	Services	\$8,591,029	\$12,123,639	\$724,542,428
D10	Conveying	\$156,037	\$143,000	\$10,832,773
D20	Plumbing	\$1,408,571	\$1,774,385	\$100,065,517
D30	HVAC	\$3,788,099	\$5,775,395	\$332,469,192
D40	Fire Protection	\$430,095	\$468,342	\$36,459,298
D50	Electrical Utilities	\$2,808,227	\$3,962,517	\$244,715,648
E	Furnishings & Fixed Equipment	\$1,317,622	\$1,770,213	\$106,145,536
	Building Value Engineering			\$519,545
	Building Subtotal	\$25,567,307	\$33,948,552	\$2,126,653,144
F	Special Construction & Demo	\$970,584	\$892,938	\$72,038,031
G	Other Site Construction	\$5,514,567	\$4,947,477	\$360,259,600
G10	Site Preparation	\$898,464	\$702,917	\$73,497,868
G20	Site Improvements	\$2,836,806	\$2,872,057	\$178,774,222
G30	Mechanical Utilities	\$1,446,760	\$565,293	\$80,083,675
G40	Electrical Utilities	\$332,537	\$407,210	\$27,903,935
	Other Site Construction			\$9,068,640
	Subtotal	\$32,052,458	\$39,388,967	\$2,568,019,415
Z	Mark-Ups	\$7,284,488	\$9,308,382	\$670,169,296
Z	Insurance	\$875,690	\$435,804	\$39,020,678
Z	Subcontractor Bond	\$0	\$342,009	\$22,558,670
Z	Design & Pricing Contingency	\$2,403,934	\$3,938,897	\$250,594,647
Z	General Conditions	\$2,892,108	\$3,361,661	\$235,846,020
Z	Overhead & Profit / GMP Fee	\$1,112,756	\$1,230,011	\$87,504,823
Z	CM@Risk Contingency			\$34,644,458
	Construction Subtotal	\$39,336,946	\$48,697,349	\$3,238,188,711
Z	Project Scope Adjustments			\$0
Z	Escalation to Construction Mid-Point	\$2,239,665	\$1,733,115	\$138,184,207
	Total Construction Cost	\$41,576,611	\$50,430,464	\$3,376,372,918
	Cost per Square Foot	\$556	\$570	
Bid Alternates				\$18,248,367
CM Preconstruction Services				\$5,105,398
Construction Contingency	\$1,300,000	\$2,521,523		\$156,207,171
Designer	\$4,209,177	\$5,393,000		\$373,017,066
OPM & other Professional services	\$1,539,800	\$1,837,000		\$134,745,753
FF&E/IT	\$1,116,000	\$1,574,000		\$117,763,977
Legal Fees	\$15,000			\$1,445,000
Other Soft Costs	\$277,923	\$151,000		\$51,663,891
Owner's Contingency	\$350,000	\$252,152		\$48,474,902
	Total Project Budget ****	\$50,384,511	\$62,159,139	\$4,273,488,084
Bid Alternates				\$6,531,572
Ineligible Costs & Contingency	\$1,026,351	\$2,017,218		\$148,005,623
Scope Exclusions	\$14,909,765	\$19,689,836		\$1,142,523,755
	Basis for Total Facilities Grant	\$34,448,395	\$40,452,085	\$2,976,427,134
	Reimbursement Rate	80.00%	77.00%	
	Maximum Facilities Grant	\$27,558,716	\$31,148,105	\$1,801,820,861

31 - Randolph Lyons Elementary School - The maximum total facilities grant includes a cost recovery of -\$467 in state funds.
 32 - Westfield Franklin Ave Elementary School - The maximum total facilities grant includes a cost recovery of -\$2,847 in state funds.