

Information as of:

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

Elementary School

August 2023 Board Meeting

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

Date Board Approved	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 <sup>1</sup>	Northborough	Worcester	
School Name	Plains ES	Staff Sargent James J. Hill ES	Athol Community ES	A E Angler	West Parish	Woodland	Lincoln Street	Nelson Place	
Project Type	Core Program	Core Program	Core Program	Core Program	Core Program	Core Program	Core Program	Core Program	
Project Scope	New Construction	New Construction	New Construction	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.	Drumrey 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	\$99,680	-	\$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	\$833,502	\$858,268	\$564,600	\$1,347,730	\$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								
	<b>Building Subtotal</b>	<b>\$14,664,281</b>	<b>\$24,309,968</b>	<b>\$22,160,359</b>	<b>\$18,311,017</b>	<b>\$19,660,802</b>	<b>\$31,853,445</b>	<b>\$10,744,900</b>	<b>\$29,503,564</b>
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	\$1,980,695	\$2,607,230	\$5,205,236	\$2,254,100	\$5,202,096
G10	Site Preparation	\$329,447	\$421,476	\$1,663,000	\$405,653	\$939,269	\$430,100	\$1,574,851	\$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	\$495,000	\$275,877	\$264,650	\$393,869	\$163,600	\$262,383
	Other Site Construction					\$0			
	<b>Subtotal</b>	<b>\$17,484,155</b>	<b>\$26,943,250</b>	<b>\$27,218,359</b>	<b>\$21,201,575</b>	<b>\$23,064,032</b>	<b>\$37,947,565</b>	<b>\$13,700,700</b>	<b>\$35,772,170</b>
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	\$507,314	\$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
	<b>Construction Subtotal</b>	<b>\$21,126,717</b>	<b>\$32,820,336</b>	<b>\$33,804,973</b>	<b>\$25,595,717</b>	<b>\$29,458,074</b>	<b>\$46,863,941</b>	<b>\$17,413,700</b>	<b>\$45,151,112</b>
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
	<b>Total Construction Cost</b>	<b>\$21,563,821</b>	<b>\$33,897,336</b>	<b>\$35,191,363</b>	<b>\$26,231,698</b>	<b>\$29,995,466</b>	<b>\$48,381,844</b>	<b>\$18,224,600</b>	<b>\$46,546,300</b>
	<b>Cost per Square Foot</b>	<b>\$340</b>	<b>\$327</b>	<b>\$368</b>	<b>\$350</b>	<b>\$457</b>	<b>\$365</b>	<b>\$344</b>	<b>\$418</b>
Bid Alternates					\$3,948,259				
CM Preconstruction Services					\$123,600	\$175,000	\$140,000		\$151,000
Construction Contingency	\$1,617,287	\$1,695,000	\$1,800,000	\$1,311,474	\$1,500,000	\$2,298,138	\$1,458,000		\$1,500,000
Designer	\$2,520,000	\$3,658,000	\$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	\$1,324,000	\$1,111,192	\$1,218,842	\$1,712,274	\$930,803		\$1,915,872
FF&E/IT	\$748,000	\$1,656,000	\$1,600,000	\$1,116,000	\$852,000	\$2,364,000	\$648,000		\$1,620,000
Legal Fees	\$35,000	\$25,000					\$15,000		
Other Soft Costs	\$80,000	\$2,053,660	\$270,000	\$305,000	\$1,645,000	\$415,000	\$1,306,550		\$560,450
Owner's Contingency	\$647,964	\$120,000	\$250,000	\$360,210	\$438,683	\$380,067	\$546,700		\$842,000
	<b>Total Project Budget *****</b>	<b>\$28,183,801</b>	<b>\$44,382,396</b>	<b>\$43,931,363</b>	<b>\$37,500,000</b>	<b>\$39,574,111</b>	<b>\$60,900,000</b>	<b>\$25,470,153</b>	<b>\$58,216,750</b>
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
<b>Basis for Total Facilities Grant</b>	<b>\$24,396,394</b>	<b>\$36,938,810</b>	<b>\$34,564,525</b>	<b>\$28,701,841</b>	<b>\$25,404,041</b>	<b>\$48,160,357</b>	<b>\$19,681,180</b>		<b>\$43,454,354</b>
<b>Reimbursement Rate</b>	<b>62.69%</b>	<b>80.00%</b>	<b>80.00%</b>	<b>40.10%</b>	<b>59.73%</b>	<b>59.94%</b>	<b>52.88%</b>		<b>80.00%</b>
<b>Maximum Facilities Grant</b>	<b>\$15,294,099</b>	<b>\$29,551,048</b>	<b>\$27,651,620</b>	<b>\$11,509,438</b>	<b>\$15,173,834</b>	<b>\$28,867,318</b>	<b>\$10,407,408</b>		<b>\$34,763,483</b>

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.

Information as of:

**August 2023  
Board Meeting**

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 <sup>2</sup>	Needham	
School Name	Wyman	John Hannigan	Center	Carver ES	Templeton Center	West Street	Sylvester	Hillside ES	
Project Type	Core Program	Core Program	Core Program	Core Program	Core Program	Core Program	Core Program	Core Program	
Project Scope	New Construction	New Construction	New Construction	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.	Drumrey 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	Fennessy 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	\$2,871,000	\$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	\$93,205	\$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								
	<b>Building Subtotal</b>	<b>\$18,251,786</b>	<b>\$20,536,621</b>	<b>\$21,864,684</b>	<b>\$26,491,831</b>	<b>\$24,888,000</b>	<b>\$16,570,000</b>	<b>\$17,678,114</b>	<b>\$28,900,660</b>
F	Special Construction & Demo	\$0	\$659,525	\$0	\$209,000	\$701,000	\$762,379	\$765,179	\$765,179
G	Other Site Construction	\$3,163,898	\$1,904,373	\$3,859,795	\$2,699,879	\$2,876,000	\$3,129,000	\$2,240,677	\$4,136,276
G10	Site Preparation	\$568,749	\$218,250	\$454,676	\$562,950	\$311,000	\$254,429	\$432,714	\$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
	<b>Subtotal</b>	<b>\$21,415,684</b>	<b>\$23,100,519</b>	<b>\$25,724,479</b>	<b>\$30,752,306</b>	<b>\$28,323,000</b>	<b>\$20,400,000</b>	<b>\$20,681,170</b>	<b>\$33,802,115</b>
Z	Mark-Ups	\$3,836,995	\$5,994,446	\$7,873,034	\$7,768,579	\$7,197,000	\$5,042,000	\$4,555,422	\$8,172,800
Z	Insurance	\$0	\$326,297	\$744,237	\$417,001	\$334,000	\$0	\$504,230	\$504,230
Z	Subcontractor Bond	\$0	\$261,038	\$0	\$347,501	\$338,000	\$400,000	\$403,383	\$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	\$2,780,008	\$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
	<b>Construction Subtotal</b>	<b>\$25,252,679</b>	<b>\$29,094,965</b>	<b>\$33,597,513</b>	<b>\$38,520,885</b>	<b>\$35,520,000</b>	<b>\$25,442,000</b>	<b>\$25,236,592</b>	<b>\$41,974,915</b>
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
	<b>Total Construction Cost</b>	<b>\$27,017,841</b>	<b>\$29,792,732</b>	<b>\$35,140,982</b>	<b>\$39,443,454</b>	<b>\$36,522,000</b>	<b>\$26,453,000</b>	<b>\$26,075,672</b>	<b>\$45,465,414</b>
	<b>Cost per Square Foot</b>	<b>\$382.14</b>	<b>\$402</b>	<b>\$422</b>	<b>\$351</b>	<b>\$394</b>	<b>\$385</b>	<b>\$269</b>	<b>\$501.26</b>
Bid Alternates	\$0	\$0	\$0	\$1,983,313	\$0	\$0	\$0	\$0	\$0
CM Preconstruction Services	\$0	\$0	\$100,000	\$0	\$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	\$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	\$5,396,000
OPM & other Professional services	\$1,155,599	\$932,500	\$1,404,576	\$1,732,408	\$1,478,568	\$1,300,000	\$1,055,400	\$1,655,000	\$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	\$1,075,000
Legal Fees	\$25,000	\$0	\$15,000	\$20,000	\$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	\$7,764,000
Owner's Contingency	\$492,120	\$75,000	\$312,092	\$259,794	\$700,000	\$661,325	\$50,000	\$2,276,000	\$2,276,000
	<b>Total Project Budget *****</b>	<b>\$34,647,723</b>	<b>\$36,747,197</b>	<b>\$45,629,373</b>	<b>\$51,953,585</b>	<b>\$47,563,184</b>	<b>\$34,208,975</b>	<b>\$32,446,161</b>	<b>\$65,907,414</b>
Bid Alternates		\$0	\$0	\$1,983,313	\$0	\$0	\$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	\$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	\$23,720,648
	<b>Basis for Total Facilities Grant</b>	<b>\$26,283,205</b>	<b>\$28,408,227</b>	<b>\$31,592,034</b>	<b>\$42,078,822</b>	<b>\$36,331,638</b>	<b>\$27,698,422</b>	<b>\$30,114,992</b>	<b>\$40,365,420</b>
	<b>Reimbursement Rate</b>	<b>54.74%</b>	<b>80.00%</b>	<b>44.50%</b>	<b>59.47%</b>	<b>63.11%</b>	<b>63.63%</b>	<b>53.70%</b>	<b>34.72%</b>
	<b>Maximum Facilities Grant</b>	<b>\$14,387,426</b>	<b>\$22,726,582</b>	<b>\$14,058,455</b>	<b>\$25,024,275</b>	<b>\$22,928,897</b>	<b>\$17,624,506</b>	<b>\$16,171,751</b>	<b>\$14,014,874</b>

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.

Information as of:

**August 2023  
Board Meeting**

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 F Brown	Pine Grove	Maria Hastings	Mulcahey ES	Chapin Street ES	Richer			
Project Type	Core Program	Core Program	Core Program	Core Program	Core Program	Core Program	Core Program	Core Program			
Project Scope	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	Symm 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	\$1,253,528	\$941,744	\$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		
	<b>Building Subtotal</b>	<b>\$19,234,295</b>	<b>\$24,391,982</b>	<b>\$25,234,818</b>	<b>\$16,228,389</b>	<b>\$30,064,205</b>	<b>\$34,127,642</b>	<b>\$30,234,697</b>	<b>\$31,031,124</b>		
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		
	<b>Subtotal</b>	<b>\$24,154,195</b>	<b>\$28,446,572</b>	<b>\$32,622,468</b>	<b>\$22,254,325</b>	<b>\$39,582,929</b>	<b>\$39,691,541</b>	<b>\$35,366,614</b>	<b>\$38,294,946</b>		
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	\$800,065	\$1,192,529	\$1,282,487	\$0	\$0	\$0		
	<b>Construction Subtotal</b>	<b>\$29,869,156</b>	<b>\$35,217,186</b>	<b>\$41,864,223</b>	<b>\$29,237,039</b>	<b>\$51,212,136</b>	<b>\$48,685,001</b>	<b>\$43,215,614</b>	<b>\$47,091,946</b>		
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		
	<b>Total Construction Cost</b>	<b>\$30,910,366</b>	<b>\$36,250,776</b>	<b>\$42,591,393</b>	<b>\$30,191,749</b>	<b>\$52,973,418</b>	<b>\$50,074,205</b>	<b>\$45,754,614</b>	<b>\$47,831,946</b>		
	<b>Cost per Square Foot</b>	<b>\$425</b>	<b>\$430</b>	<b>\$474</b>	<b>\$344</b>	<b>\$482</b>	<b>\$418</b>	<b>\$431</b>	<b>\$429</b>		
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	\$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	\$3,243,592		
OPM & other Professional services	\$1,394,863	\$1,744,000	\$1,756,457	\$2,040,957	\$2,040,000	\$1,695,182	\$1,690,665	\$1,437,000	\$1,437,000		
FF&E/IT	\$1,380,000	\$1,410,000	\$1,236,000	\$996,000	\$2,210,000	\$2,832,000	\$1,700,000	\$1,635,000	\$1,635,000		
Legal Fees	\$50,000	\$0	\$20,000	\$0	\$30,000	\$25,000	\$10,000	\$15,000	\$15,000		
Other Soft Costs	\$319,000	\$2,355,000	\$346,000	\$230,000	\$556,000	\$400,000	\$332,000	\$168,000	\$168,000		
Owner's Contingency	\$643,257	\$360,000	\$400,000	\$735,700	\$500,000	\$1,859,928	\$228,148	\$437,800	\$437,800		
	<b>Total Project Budget *****</b>	<b>\$39,919,041</b>	<b>\$48,999,776</b>	<b>\$53,365,857</b>	<b>\$38,992,086</b>	<b>\$65,339,418</b>	<b>\$64,971,831</b>	<b>\$57,451,421</b>	<b>\$56,418,338</b>		
Bid Alternates	\$0	\$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	\$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	\$11,105,800		
	<b>Basis for Total Facilities Grant</b>	<b>\$31,153,777</b>	<b>\$34,989,904</b>	<b>\$37,408,261</b>	<b>\$33,671,313</b>	<b>\$47,230,341</b>	<b>\$52,928,971</b>	<b>\$45,387,552</b>	<b>\$44,140,857</b>		
	<b>Reimbursement Rate</b>	<b>48.63%</b>	<b>40.22%</b>	<b>57.27%</b>	<b>50.46%</b>	<b>35.79%</b>	<b>80.00%</b>	<b>61.57%</b>	<b>67.71%</b>		
	<b>Maximum Facilities Grant</b>	<b>\$15,150,082</b>	<b>\$14,072,939</b>	<b>\$21,423,711</b>	<b>\$16,940,085</b>	<b>\$16,903,739</b>	<b>\$42,343,177</b>	<b>\$27,945,116</b>	<b>\$29,887,774</b>		

Information as of:

**August 2023  
Board Meeting**

Date Board Approved	Apr-18	Jun-18	Aug-18	Oct-18	Dec-18	Dec-18	Feb-19	Feb-19	
District	Harvard <sup>3</sup>	Northbridge	Foxborough	Shrewsbury <sup>4</sup>	Danvers	Wareham <sup>5</sup>	Easthampton	Marblehead <sup>6</sup>	
School Name	Hildreth ES	W Edward Balmer	Mabelle M Burrell	Beal School	Ivan G Smith	Minot Forest	Maple	Elbridge Gerry	
Project Type	Core Program	Core Program	Core Program	Core Program	Core Program	Core Program	Core Program	Core Program	
Project Scope	New Construction	New Construction	Addition / Renovation	New Construction	New Construction	New Construction	New Construction	New Construction	
Enrollment	445	1,030	270	790	465	1,020	1,010	450	
GSF	85,214	167,352	61,455	141,600	82,728	159,989	177,370	81,935	
Assumed Start of Construction	Jun-19	Aug-19	Nov-19	Sep-19	Jun-19	Mar-20	Dec-19	Apr-20	
OPM	NV5 (fka Joslin, Lesser + Associates Inc.)	Symm Maini & McKee Associates, Inc.	Colliers Project Leaders NE, LLC	PMA Consultants, LLC	PMA Consultants, LLC	PMA Consultants, LLC	Colliers Project Leaders NE, LLC	Leftfield, LLC	
Designer	Arrowstreet Inc.	Dore & Whittier Architects, Inc.	Kaestle Boos Associates, Inc.	Lamoureux Pagano Associates   Architects, Inc.	Tappe Architects, Inc.	Mount Vernon Group Architects, Inc.	Caolo & Bieniek Associates, Inc.	Raymond Design Associates, Inc.	
Cost Estimator	Project Management & Cost	Project Management & Cost	Miyakoda Consulting	A M Fogarty & Associates Inc.	Project Management & Cost	Fennessy Consulting Services	VJ Associates of New England	VJ Associates of New England	
Division	Description of Work	Total Costs							Total Costs
A	Substructure	\$2,351,527	\$2,912,698	\$954,000	\$3,302,132	\$2,372,076	\$3,143,070	\$5,665,000	\$1,996,258
B	Shell	\$10,404,610	\$16,347,473	\$5,617,000	\$13,811,211	\$8,918,082	\$15,351,459	\$16,348,000	\$8,394,423
B10	Superstructure	\$3,889,954	\$5,613,302	\$843,000	\$4,534,040	\$3,318,151	\$6,576,140	\$5,630,000	\$3,058,130
B20	Exterior Enclosure	\$4,627,726	\$7,266,145	\$3,065,000	\$7,084,625	\$4,265,909	\$6,535,323	\$8,220,000	\$3,491,287
B2010	Exterior Walls	\$3,267,076	\$5,072,972	\$2,325,000	\$5,566,817	\$2,713,846	\$4,353,066	\$5,868,000	\$1,841,809
B2020	Exterior Windows	\$1,291,250	\$2,052,298	\$685,000	\$1,400,740	\$1,435,863	\$2,037,377	\$2,179,000	\$1,494,078
B2030	Exterior Doors	\$69,400	\$140,875	\$55,000	\$117,068	\$114,880	\$144,880	\$173,000	\$155,400
B30	Roofing	\$1,886,930	\$3,468,026	\$1,709,000	\$2,192,546	\$1,334,022	\$2,239,996	\$2,498,000	\$1,845,006
C	Interiors	\$5,385,922	\$10,442,201	\$3,771,000	\$8,691,568	\$5,393,298	\$11,129,043	\$12,433,000	\$5,396,769
D	Services	\$7,366,366	\$15,068,188	\$6,011,000	\$14,903,495	\$8,289,311	\$14,863,206	\$20,670,000	\$8,833,040
D10	Conveying	\$95,000	\$132,820		\$115,037	\$180,000	\$266,500	\$326,000	\$174,000
D20	Plumbing	\$926,051	\$1,941,389	\$846,000	\$2,307,592	\$1,128,459	\$2,287,845	\$3,045,000	\$1,392,360
D30	HVAC	\$3,269,877	\$6,743,029	\$2,331,000	\$5,632,726	\$3,982,238	\$6,680,453	\$8,965,000	\$3,926,500
D40	Fire Protection	\$408,439	\$725,972	\$322,000	\$623,040	\$370,275	\$792,425	\$1,029,000	\$462,380
D50	Electrical Utilities	\$2,666,999	\$5,524,978	\$2,512,000	\$6,225,100	\$2,628,339	\$4,835,983	\$7,305,000	\$2,877,800
E	Furnishings & Fixed Equipment	\$1,263,441	\$2,420,706	\$1,500,000	\$2,673,999	\$1,646,509	\$2,284,255	\$2,636,000	\$1,932,820
	Building Value Engineering								
	<b>Building Subtotal</b>	<b>\$26,771,866</b>	<b>\$47,191,266</b>	<b>\$17,853,000</b>	<b>\$43,382,405</b>	<b>\$26,619,276</b>	<b>\$46,771,033</b>	<b>\$57,752,000</b>	<b>\$26,553,310</b>
F	Special Construction & Demo	\$1,184,272	\$1,541,660	\$870,700	\$1,975,000	\$697,500	\$1,392,030	\$3,189,000	\$1,253,397
G	Other Site Construction	\$4,750,954	\$9,415,334	\$1,871,000	\$9,502,821	\$3,892,438	\$8,615,912	\$9,394,000	\$3,979,654
G10	Site Preparation	\$903,700	\$2,023,342	\$278,000	\$2,543,513	\$1,928,356	\$3,019,000	\$3,019,000	\$1,044,320
G20	Site Improvements	\$2,465,089	\$4,639,089	\$1,062,000	\$4,656,664	\$1,860,369	\$3,328,507	\$3,680,000	\$2,060,334
G30	Mechanical Utilities	\$1,071,965	\$2,032,442	\$255,000	\$1,702,407	\$979,680	\$2,733,399	\$2,128,000	\$489,400
G40	Electrical Utilities	\$310,200	\$720,461	\$276,000	\$600,237	\$303,960	\$625,650	\$567,000	\$385,600
	Other Site Construction	\$0	\$0				\$500,000		\$0
	<b>Subtotal</b>	<b>\$32,707,092</b>	<b>\$58,148,260</b>	<b>\$20,594,700</b>	<b>\$54,860,226</b>	<b>\$31,209,214</b>	<b>\$57,278,975</b>	<b>\$70,335,000</b>	<b>\$31,786,361</b>
Z	Mark-Ups	\$9,310,736	\$17,097,947	\$5,411,000	\$16,143,772	\$9,679,109	\$11,046,854	\$15,095,000	\$9,139,292
Z	Insurance	\$505,127	\$276,000	\$276,000	\$1,564,394	\$952,693	\$605,190	\$912,000	\$548,473
Z	Subcontractor Bond	\$292,609		\$165,000		\$0	\$605,190	\$654,000	\$0
Z	Design & Pricing Contingency	\$2,853,032	\$6,066,364	\$2,030,000	\$5,486,023	\$3,239,516	\$4,744,593	\$6,983,000	\$3,178,636
Z	General Conditions	\$3,758,922	\$5,364,384	\$2,174,000	\$5,475,362	\$3,765,387	\$3,240,000	\$4,625,000	\$3,724,000
Z	Overhead & Profit / GMP Fee	\$919,833	\$4,140,383	\$766,000	\$1,807,606	\$1,008,819	\$1,851,881	\$1,921,000	\$1,052,456
Z	CM@Risk Contingency	\$981,213	\$1,526,816		\$1,810,387	\$712,694	\$0	\$0	\$635,727
	<b>Construction Subtotal</b>	<b>\$42,017,828</b>	<b>\$75,246,207</b>	<b>\$26,005,700</b>	<b>\$71,003,998</b>	<b>\$40,888,323</b>	<b>\$68,325,829</b>	<b>\$85,430,000</b>	<b>\$40,925,653</b>
Z	Project Scope Adjustments								
Z	Escalation to Construction Mid-Point	\$981,213	\$4,246,455	\$1,052,000	\$3,107,832	\$1,185,950	\$3,740,549	\$4,692,000	\$2,860,773
	<b>Total Construction Cost</b>	<b>\$42,999,041</b>	<b>\$79,492,662</b>	<b>\$27,057,700</b>	<b>\$74,111,830</b>	<b>\$42,074,273</b>	<b>\$72,066,378</b>	<b>\$90,122,000</b>	<b>\$43,786,426</b>
	<b>Cost per Square Foot</b>	<b>\$505</b>	<b>\$475</b>	<b>\$440</b>	<b>\$523</b>	<b>\$509</b>	<b>\$450</b>	<b>\$508</b>	<b>\$534</b>
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	\$1,351,450	\$3,705,591	\$1,682,971	\$3,603,319	\$2,253,050	\$1,751,457	
Designer	\$4,674,904	\$8,271,042	\$2,979,500	\$7,784,711	\$4,453,985	\$7,831,637	\$9,477,200	\$4,864,230	
OPM & other Professional services	\$1,496,000	\$2,898,004	\$1,308,100	\$2,768,913	\$1,603,210	\$3,654,483	\$3,247,188	\$2,402,020	
FF&E/IT	\$1,335,000	\$3,502,000	\$960,217	\$1,896,000	\$1,116,000	\$2,448,000	\$2,424,000	\$1,577,985	
Legal Fees	\$0	\$0	\$0	\$25,000	\$25,000	\$25,000	\$25,000	\$20,000	
Other Soft Costs	\$325,000	\$910,000	\$390,000	\$1,490,000	\$150,000	\$275,000	\$488,500	\$645,000	
Owner's Contingency	\$429,990	\$1,589,853	\$604,600	\$777,229	\$744,561	\$570,365	\$1,126,525	\$292,649	
	<b>Total Project Budget *****</b>	<b>\$53,597,807</b>	<b>\$100,968,194</b>	<b>\$34,671,567</b>	<b>\$92,809,274</b>	<b>\$52,000,000</b>	<b>\$90,474,182</b>	<b>\$109,158,463</b>	<b>\$55,594,767</b>
Bid Alternates									
Ineligible Costs & Contingency	\$1,719,962	\$3,179,706	\$810,296	\$2,964,473	\$1,262,228	\$2,882,655	\$1,351,830	\$1,313,593	
Scope Exclusions	\$14,846,672	\$23,212,964	\$6,488,875	\$27,754,565	\$13,794,639	\$17,425,663	\$27,501,617	\$17,246,571	
	<b>Basis for Total Facilities Grant</b>	<b>\$37,031,173</b>	<b>\$74,575,524</b>	<b>\$27,372,396</b>	<b>\$62,090,236</b>	<b>\$36,943,133</b>	<b>\$70,165,864</b>	<b>\$80,305,016</b>	<b>\$37,034,603</b>
	<b>Reimbursement Rate</b>	<b>50.68%</b>	<b>63.78%</b>	<b>56.01%</b>	<b>54.86%</b>	<b>55.46%</b>	<b>74.98%</b>	<b>63.15%</b>	<b>38.56%</b>
	<b>Maximum Facilities Grant</b>	<b>\$18,767,398</b>	<b>\$47,564,269</b>	<b>\$15,331,279</b>	<b>\$34,062,703</b>	<b>\$20,488,662</b>	<b>\$52,610,365</b>	<b>\$50,712,618</b>	<b>\$14,280,543</b>

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:

**August 2023  
Board Meeting**

Date Board Approved	Feb-19	Feb-19	Aug-19	Aug-19	Aug-19	Aug-19	Aug-19	Aug-19	
District	Tewksbury <sup>7</sup>	Westborough	Manchester Essex Regional <sup>8</sup>	Springfield <sup>9</sup>	Amesbury <sup>10</sup>	Bridgewater-Raynham <sup>11</sup>	Gardner <sup>12</sup>	Millbury <sup>13</sup>	
School Name	Louise Davy Trahan	Annie E Fales	Manchester Memorial ES	Brightwood	Amesbury ES	Mitchell ES	Waterford Street	Raymond E. Shaw ES	
Project Type	Core Program	Core Program	Core Program	Core Program	Core Program	Core Program	Core Program	Core Program	
Project Scope	New Construction	New Construction	New Construction	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	Turner & Townsend 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								
	<b>Building Subtotal</b>	<b>\$39,783,068</b>	<b>\$27,197,754</b>	<b>\$23,969,899</b>	<b>\$44,037,500</b>	<b>\$31,212,190</b>	<b>\$40,180,623</b>	<b>\$44,727,000</b>	<b>\$29,965,676</b>
F	Special Construction & Demo	\$734,600	\$988,000	\$1,722,251	\$0	\$1,650,000	\$0	\$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	\$1,553,177	\$1,944,000	\$893,586	\$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						
	<b>Subtotal</b>	<b>\$57,259,596</b>	<b>\$33,485,589</b>	<b>\$29,720,710</b>	<b>\$49,978,200</b>	<b>\$39,046,926</b>	<b>\$48,960,055</b>	<b>\$56,445,000</b>	<b>\$38,100,200</b>
Z	Mark-Ups	\$17,328,230	\$9,968,865	\$9,638,151	\$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	\$485,000	\$661,972	\$0
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				
	<b>Construction Subtotal</b>	<b>\$74,587,826</b>	<b>\$43,454,454</b>	<b>\$39,358,861</b>	<b>\$64,109,900</b>	<b>\$47,500,958</b>	<b>\$61,599,982</b>	<b>\$68,920,000</b>	<b>\$47,048,549</b>
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
	<b>Total Construction Cost</b>	<b>\$77,450,806</b>	<b>\$45,627,177</b>	<b>\$41,142,104</b>	<b>\$66,941,200</b>	<b>\$48,976,932</b>	<b>\$64,679,981</b>	<b>\$70,937,000</b>	<b>\$49,269,791</b>
	<b>Cost per Square Foot</b>	<b>\$555</b>	<b>\$650</b>	<b>\$534</b>	<b>\$445</b>	<b>\$499</b>	<b>\$490</b>	<b>\$482</b>	<b>\$546</b>
Bid Alternates	\$8,402,618	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,153,731
CM Preconstruction Services	\$225,000	\$200,000	\$146,000	\$173,096	\$0	\$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	\$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	\$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	\$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	\$1,650,000
Legal Fees	\$30,000	\$5,000	\$70,000	\$20,000	\$0	\$35,000	\$20,000	\$35,000	\$35,000
Other Soft Costs	\$670,750	\$450,500	\$550,000	\$450,000	\$375,000	\$585,000	\$493,000	\$163,000	\$163,000
Owner's Contingency	\$1,855,513	\$456,272	\$411,421	\$669,412	\$398,448	\$490,019	\$1,773,425	\$251,635	\$251,635
	<b>Total Project Budget *****</b>	<b>\$106,906,342</b>	<b>\$56,883,079</b>	<b>\$52,232,925</b>	<b>\$82,201,776</b>	<b>\$60,513,570</b>	<b>\$80,600,000</b>	<b>\$89,558,570</b>	<b>\$62,076,492</b>
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	\$1,970,792
Scope Exclusions	\$39,869,920	\$21,524,009	\$15,989,213	\$18,087,759	\$17,246,483	\$20,926,539	\$22,594,846	\$18,652,096	\$18,652,096
	<b>Basis for Total Facilities Grant Reimbursement Rate</b>	<b>\$64,135,890</b>	<b>\$33,533,983</b>	<b>\$35,009,449</b>	<b>\$62,775,193</b>	<b>\$41,484,510</b>	<b>\$57,070,261</b>	<b>\$64,126,244</b>	<b>\$41,453,604</b>
		<b>58.77%</b>	<b>48.32%</b>	<b>35.93%</b>	<b>80.00%</b>	<b>58.98%</b>	<b>59.28%</b>	<b>80.00%</b>	<b>61.37%</b>
	<b>Maximum Facilities Grant</b>	<b>\$37,692,663</b>	<b>\$16,203,621</b>	<b>\$12,578,895</b>	<b>\$50,220,154</b>	<b>\$24,467,564</b>	<b>\$33,831,251</b>	<b>\$51,300,995</b>	<b>\$25,440,077</b>

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:

**August 2023  
Board Meeting**

Date Board Approved	Aug-19	Oct-19	Oct-19	Oct-19	Apr-20	Jun-20	Aug-20	Oct-20	
District	West Springfield <sup>14</sup>	Acton-Boxborough <sup>15</sup>	Easton <sup>16</sup>	Rockland <sup>17</sup>	Orange <sup>18</sup>	Springfield <sup>19</sup>	Gloucester <sup>20</sup>	Ashland <sup>21</sup>	
School Name	Philip G Coburn	C.T. Douglas ES	Center School	Jefferson ES	Dexter Park	William N Deberry	East Gloucester ES	David Mindess	
Project Type	Core Program	Core Program	Core Program	Core Program	Core Program	Core Program	Core Program	Core Program	
Project Scope	New Construction	New Construction	New Construction	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	Turner & Townsend 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	\$12,982,462	\$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	\$6,907,350	\$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								
	<b>Building Subtotal</b>	<b>\$36,416,325</b>	<b>\$60,947,652</b>	<b>\$48,090,933</b>	<b>\$41,722,842</b>	<b>\$26,396,656</b>	<b>\$50,465,797</b>	<b>\$33,220,356</b>	<b>\$37,389,325</b>
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	
	<b>Subtotal</b>	<b>\$42,629,201</b>	<b>\$71,661,701</b>	<b>\$57,299,722</b>	<b>\$52,284,712</b>	<b>\$33,670,310</b>	<b>\$58,399,956</b>	<b>\$39,164,112</b>	<b>\$51,732,572</b>
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	\$1,426,866	\$1,353,109	\$1,092,761	\$1,298,726
Z	Subcontractor Bond	\$1,049,581	\$1,020,661	\$567,898	\$563,851	\$481,793	\$0	\$0	
Z	Design & Pricing Contingency	\$4,282,920	\$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	\$0	\$2,030,054	\$0	\$0	\$0	\$1,561,322	\$779,134	\$1,422,646
	<b>Construction Subtotal</b>	<b>\$52,857,326</b>	<b>\$92,856,606</b>	<b>\$71,104,799</b>	<b>\$64,794,275</b>	<b>\$43,438,425</b>	<b>\$73,435,982</b>	<b>\$49,986,908</b>	<b>\$65,975,443</b>
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
	<b>Total Construction Cost</b>	<b>\$54,733,011</b>	<b>\$95,255,831</b>	<b>\$74,886,581</b>	<b>\$68,249,754</b>	<b>\$45,730,728</b>	<b>\$77,641,520</b>	<b>\$51,925,531</b>	<b>\$67,725,296</b>
	<b>Cost per Square Foot</b>	<b>\$457</b>	<b>\$545</b>	<b>\$505</b>	<b>\$566</b>	<b>\$471</b>	<b>\$498</b>	<b>\$574</b>	<b>\$646</b>
Bid Alternates	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
CM Preconstruction Services	\$0	\$150,000	\$0	\$0	\$0	\$0	\$173,000	\$214,000	
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	
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	
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	
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	
Legal Fees	\$0	\$50,000	\$50,000	\$50,000	\$10,000	\$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	
Owner's Contingency	\$547,330	\$1,643,090	\$2,160,171	\$1,500,000	\$930,040	\$780,661	\$1,716,458	\$651,821	
	<b>Total Project Budget *****</b>	<b>\$69,036,380</b>	<b>\$117,328,519</b>	<b>\$94,839,543</b>	<b>\$86,607,521</b>	<b>\$57,697,704</b>	<b>\$95,051,267</b>	<b>\$66,700,000</b>	<b>\$84,387,000</b>
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	
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	
	<b>Basis for Total Facilities Grant</b>	<b>\$50,145,461</b>	<b>\$76,670,528</b>	<b>\$64,842,204</b>	<b>\$53,504,919</b>	<b>\$43,277,780</b>	<b>\$67,998,885</b>	<b>\$41,680,322</b>	<b>\$49,279,097</b>
	<b>Reimbursement Rate</b>	<b>80.00%</b>	<b>49.70%</b>	<b>55.93%</b>	<b>67.08%</b>	<b>80.00%</b>	<b>80.00%</b>	<b>64.65%</b>	<b>55.57%</b>
	<b>Maximum Facilities Grant</b>	<b>\$40,116,369</b>	<b>\$38,105,252</b>	<b>\$36,266,245</b>	<b>\$35,891,100</b>	<b>\$34,622,224</b>	<b>\$54,399,108</b>	<b>\$26,946,328</b>	<b>\$27,384,394</b>

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:

**August 2023  
Board Meeting**

Date Board Approved	Feb-21	Apr-21	Apr-21	Jun-21	Jun-21	Aug-21	Oct-21	Oct-21	
District	Groton-Dunstable	Andover <sup>22</sup>	Westwood <sup>23</sup>	Fitchburg	Swampscott <sup>24</sup>	Wellesley <sup>25</sup>	Lawrence <sup>26</sup>	Peabody <sup>27</sup>	
School Name	Florence Roche	West ES	Paul Hanlon	Crocker ES	Hadley	Ernest F Upham	Francis M Leahy	William A Welch Sr	
Project Type	Core Program	Core Program	Core Program	Core Program	Core Program	Core Program	Core Program	Core Program	
Project Scope	New Construction	New Construction	New Construction	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	\$897,400	\$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								
	<b>Building Subtotal</b>	<b>\$36,686,920</b>	<b>\$72,338,002</b>	<b>\$43,765,081</b>	<b>\$34,626,300</b>	<b>\$50,931,200</b>	<b>\$30,661,753</b>	<b>\$58,039,366</b>	<b>\$14,265,517</b>
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	\$888,040
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	
	<b>Subtotal</b>	<b>\$45,889,556</b>	<b>\$86,182,755</b>	<b>\$54,889,649</b>	<b>\$40,283,500</b>	<b>\$61,083,997</b>	<b>\$40,865,995</b>	<b>\$61,617,208</b>	<b>\$16,794,126</b>
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
	<b>Construction Subtotal</b>	<b>\$59,246,861</b>	<b>\$113,490,845</b>	<b>\$67,636,198</b>	<b>\$48,162,800</b>	<b>\$74,882,959</b>	<b>\$51,860,959</b>	<b>\$75,088,346</b>	<b>\$22,682,185</b>
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
	<b>Total Construction Cost</b>	<b>\$61,541,339</b>	<b>\$119,178,907</b>	<b>\$70,380,680</b>	<b>\$49,774,500</b>	<b>\$77,937,159</b>	<b>\$55,569,898</b>	<b>\$81,846,297</b>	<b>\$23,348,836</b>
	<b>Cost per Square Foot</b>	<b>\$560</b>	<b>\$624</b>	<b>\$622</b>	<b>\$430</b>	<b>\$507</b>	<b>\$694</b>	<b>\$472</b>	<b>\$396</b>
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	\$2,845,418	\$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	\$35,000	\$35,000	\$15,000	\$20,000	\$20,000	\$20,000	\$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	
	<b>Total Project Budget *****</b>	<b>\$78,650,734</b>	<b>\$151,661,968</b>	<b>\$87,820,386</b>	<b>\$65,032,984</b>	<b>\$98,316,523</b>	<b>\$72,500,000</b>	<b>\$103,740,911</b>	<b>\$29,973,821</b>
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	
	<b>Basis for Total Facilities Grant</b>	<b>\$49,640,383</b>	<b>\$83,867,803</b>	<b>\$46,378,808</b>	<b>\$53,557,346</b>	<b>\$70,331,126</b>	<b>\$38,725,105</b>	<b>\$76,621,678</b>	<b>\$27,872,558</b>
	<b>Reimbursement Rate</b>	<b>53.39%</b>	<b>45.85%</b>	<b>39.35%</b>	<b>80.00%</b>	<b>48.90%</b>	<b>34.90%</b>	<b>80.00%</b>	<b>63.33%</b>
	<b>Maximum Facilities Grant</b>	<b>\$26,503,001</b>	<b>\$38,453,388</b>	<b>\$18,250,061</b>	<b>\$42,845,877</b>	<b>\$34,391,921</b>	<b>\$13,515,062</b>	<b>\$61,297,342</b>	<b>\$17,651,691</b>

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:

**August 2023  
Board Meeting**

Date Board Approved	Oct-21	Oct-21	Aug-22	Oct-22	Dec-22	Apr-23	Jun-23
District	Randolph <sup>28</sup>	Westfield <sup>29</sup>	Hingham <sup>30</sup>	Winchester <sup>31</sup>	Brookline <sup>32</sup>	Amherst	Maynard <sup>33</sup>
School Name	Elizabeth G Lyons ES	Franklin Ave	Wm L Foster ES	Lynch Elementary	Pierce	Fort River Elementary	Green Meadow
Project Type	Core Program	Core Program	Core Program	Core Program	Core Program	Core Program	Core Program
Project Scope	New Construction	New Construction	New Construction	New Construction	Addition / Renovation	New Construction	New Construction
Enrollment	315	395	605	520	725	575	395
GSF	74,720	88,495	126,385	103,523	246,123	105,750	90,300
Assumed Start of Construction	Mar-23	Mar-23	Dec-22	Nov-23	Nov-24	Aug-24	Jan-25
OPM	CHA Consulting, Inc.	P3 Inc.	PMA Consultants, LLC	Hill International Company	Leftfield, LLC	Anser Advisory	Colliers Project Leaders NE, LLC
Designer	TSKP Studio, LLC	Caolo & Bieniek Associates, Inc.	Raymond Design Associates, Inc.	Tappe Architects, Inc.	Miller Dyer Spears Inc.	DINisco Design, Inc.	Mount Vernon Group Architects, 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.	Fennessy Consulting Services

TOTAL
ALL
ELEMENTARY SCHOOLS

Division	Description of Work							
A	Substructure	\$1,296,014	\$1,845,635	\$2,049,202	\$2,451,945	\$9,368,529	\$4,163,505	\$2,389,500
B	Shell	\$8,836,040	\$10,778,837	\$15,699,642	\$16,311,425	\$30,938,409	\$13,045,843	\$12,268,600
B10	Superstructure	\$2,632,952	\$3,902,881	\$6,449,347	\$6,185,206	\$14,743,712	\$3,253,646	\$4,613,800
B20	Exterior Enclosure	\$4,837,368	\$5,312,524	\$6,818,606	\$7,502,161	\$12,881,223	\$1,133,445	\$0
B2010	Exterior Walls	\$3,086,139	\$4,076,618	\$4,051,206	\$4,953,856	\$8,392,717	\$4,618,374	\$3,612,000
B2020	Exterior Windows	\$1,602,159	\$1,127,976	\$2,611,460	\$2,173,235	\$4,174,984	\$2,247,135	\$1,339,000
B2030	Exterior Doors	\$149,070	\$107,930	\$155,940	\$375,070	\$313,522	\$147,806	\$140,000
B30	Roofing	\$1,365,720	\$1,563,432	\$2,431,689	\$2,624,058	\$3,313,474	\$1,645,437	\$2,563,800
C	Interiors	\$5,526,602	\$7,430,228	\$10,127,584	\$8,933,518	\$16,093,721	\$8,640,984	\$7,028,400
D	Services	\$8,591,029	\$12,123,639	\$20,675,232	\$15,289,422	\$33,821,832	\$21,848,809	\$17,487,200
D10	Conveying	\$156,037	\$143,000	\$187,500	\$242,650	\$669,000	\$264,000	\$172,000
D20	Plumbing	\$1,408,571	\$1,774,385	\$2,586,658	\$2,317,650	\$3,370,580	\$1,970,080	\$2,359,100
D30	HVAC	\$3,788,099	\$5,775,395	\$11,120,210	\$6,378,457	\$17,471,392	\$11,264,869	\$9,233,000
D40	Fire Protection	\$430,095	\$468,342	\$753,952	\$708,290	\$1,492,560	\$818,365	\$669,400
D50	Electrical Utilities	\$2,808,227	\$3,962,517	\$6,026,912	\$5,622,375	\$10,818,300	\$7,531,495	\$5,053,700
E	Furnishings & Fixed Equipment	\$1,317,622	\$1,770,213	\$2,457,525	\$1,713,345	\$3,232,757	\$2,305,195	\$1,555,600
	Building Value Engineering							\$0
	<b>Building Subtotal</b>	<b>\$25,567,307</b>	<b>\$33,948,552</b>	<b>\$51,009,185</b>	<b>\$44,679,655</b>	<b>\$93,455,248</b>	<b>\$50,004,336</b>	<b>\$40,729,300</b>
F	Special Construction & Demo	\$970,584	\$892,938	\$2,170,856	\$1,788,240	\$8,317,836	\$1,919,658	\$1,466,200
G	Other Site Construction	\$5,514,567	\$4,547,477	\$16,034,851	\$5,843,769	\$12,334,131	\$10,277,576	\$8,263,800
G10	Site Preparation	\$898,464	\$702,917	\$6,346,100	\$1,309,079	\$4,729,888	\$1,760,621	\$2,691,500
G20	Site Improvements	\$2,836,806	\$2,872,057	\$7,080,876	\$2,759,643	\$5,771,419	\$5,522,194	\$4,121,500
G30	Mechanical Utilities	\$1,446,760	\$565,293	\$2,020,883	\$1,263,397	\$820,288	\$1,548,896	\$768,300
G40	Electrical Utilities	\$332,537	\$407,210	\$586,992	\$511,650	\$1,012,536	\$1,445,865	\$682,500
	Other Site Construction			\$0	\$0	\$0	\$0	\$0
	<b>Subtotal</b>	<b>\$32,052,458</b>	<b>\$39,388,967</b>	<b>\$69,214,892</b>	<b>\$52,311,664</b>	<b>\$114,107,215</b>	<b>\$62,201,570</b>	<b>\$50,459,300</b>
Z	Mark-Ups	\$7,284,488	\$9,308,382	\$15,266,177	\$12,397,127	\$38,395,256	\$13,117,595	\$11,778,100
Z	Insurance	\$875,690	\$435,804	\$760,597	\$0	\$2,746,272	\$1,358,304	\$561,900
Z	Subcontractor Bond	\$0	\$342,009	\$1,595,112	\$544,580	\$2,729,974	\$0	\$575,200
Z	Design & Pricing Contingency	\$2,403,934	\$3,938,897	\$5,537,192	\$5,231,166	\$11,410,721	\$4,665,118	\$5,234,100
Z	General Conditions	\$2,892,108	\$3,361,661	\$5,567,421	\$4,210,178	\$14,218,000	\$4,732,676	\$3,925,700
Z	Overhead & Profit / GMP Fee	\$1,112,756	\$1,230,011	\$2,566,452	\$1,650,606	\$3,929,836	\$2,361,497	\$1,481,200
Z	CM@Risk Contingency	\$0	\$0	\$0	\$0	\$3,360,453	\$0	\$0
	<b>Construction Subtotal</b>	<b>\$39,336,946</b>	<b>\$48,697,349</b>	<b>\$84,481,069</b>	<b>\$64,708,791</b>	<b>\$152,502,471</b>	<b>\$75,319,165</b>	<b>\$62,237,400</b>
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	\$4,662,600
	<b>Total Construction Cost</b>	<b>\$41,576,611</b>	<b>\$50,430,464</b>	<b>\$88,114,851</b>	<b>\$67,674,862</b>	<b>\$168,022,660</b>	<b>\$81,337,167</b>	<b>\$66,900,000</b>
	<b>Cost per Square Foot</b>	<b>\$556</b>	<b>\$570</b>	<b>\$697</b>	<b>\$654</b>	<b>\$683</b>	<b>\$769</b>	<b>\$741</b>
Bid Alternates				\$0	\$0	\$0	\$0	\$0
CM Preconstruction Services				\$0	\$0	\$300,000	\$0	\$0
Construction Contingency	\$1,300,000	\$2,521,523	\$4,405,743	\$6,761,286	\$7,701,133	\$4,066,858	\$3,345,000	\$162,893,404
Designer	\$4,209,177	\$5,393,000	\$12,288,399	\$7,822,610	\$19,898,782	\$7,351,464	\$7,690,000	\$381,558,557
OPM & other Professional services	\$1,539,800	\$1,837,000	\$4,032,116	\$2,659,510	\$7,946,087	\$3,204,686	\$2,776,675	\$139,246,623
FF&E/IT	\$1,116,000	\$1,574,000	\$3,229,066	\$2,900,000	\$3,367,069	\$2,098,750	\$1,356,000	\$116,314,862
Legal Fees	\$15,000	\$25,000	\$10,000	\$10,000	\$0	\$0	\$0	\$1,255,000
Other Soft Costs	\$277,923	\$151,000	\$800,000	\$6,020,916	\$3,000,000	\$350,000	\$525,000	\$55,538,849
Owner's Contingency	\$350,000	\$252,152	\$440,574	\$676,749	\$1,680,227	\$813,372	\$1,007,325	\$49,439,403
	<b>Total Project Budget *****</b>	<b>\$50,384,511</b>	<b>\$62,159,139</b>	<b>\$113,335,749</b>	<b>\$94,525,933</b>	<b>\$211,915,958</b>	<b>\$99,222,297</b>	<b>\$83,600,000</b>
Bid Alternates				\$0	\$0	\$0	\$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	\$3,348,825	\$155,860,362
Scope Exclusions	\$14,909,765	\$19,689,836	\$47,832,839	\$39,495,889	\$113,856,286	\$35,754,245	\$30,155,950	\$1,245,469,531
	<b>Basis for Total Facilities Grant</b>	<b>\$34,448,395</b>	<b>\$40,452,085</b>	<b>\$61,978,316</b>	<b>\$48,607,132</b>	<b>\$93,718,992</b>	<b>\$59,807,880</b>	<b>\$50,095,225</b>
	<b>Reimbursement Rate</b>	<b>80.00%</b>	<b>77.00%</b>	<b>40.54%</b>	<b>36.21%</b>	<b>35.55%</b>	<b>67.66%</b>	<b>58.76%</b>
	<b>Maximum Facilities Grant</b>	<b>\$27,558,716</b>	<b>\$31,148,105</b>	<b>\$25,126,009</b>	<b>\$17,600,642</b>	<b>\$33,317,102</b>	<b>\$40,466,012</b>	<b>\$29,435,954</b>

\$144,340,890
\$697,677,053
\$251,086,143
\$328,434,042
\$214,016,948
\$93,583,494
\$8,679,383
\$106,052,553
\$444,410,281
\$752,162,153
\$172,000
\$101,324,706
\$348,616,711
\$36,511,861
\$254,061,816
\$107,672,281
\$0
<b>\$2,146,262,658</b>
\$1,466,200
\$77,763,789
\$379,565,166
\$84,115,395
\$188,027,518
\$78,930,975
\$28,491,278
\$8,454,298
<b>\$2,612,045,911</b>
\$672,428,685
\$39,896,263
\$561,900
\$24,750,046
\$251,143,013
\$233,716,876
\$89,719,430
\$33,203,057
\$0
\$154,565,178
<b>\$3,439,039,774</b>
\$17,207,921
\$4,961,417
\$162,893,404
\$381,558,557
\$139,246,623
\$116,314,862
\$1,255,000
\$55,538,849
\$49,439,403
<b>\$4,367,455,810</b>
\$6,531,572
\$155,860,362
\$1,245,469,531
<b>\$2,959,594,345</b>
<b>\$1,761,666,595</b>

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.  
 33 - Green Meadow - The maximum total facilities grant reflects a Cx Cost of \$2,790