

Information as of:

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

Middle Schools

April 2019  
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	Apr-13	Apr-13	Apr-13	Apr-13	Oct-13	Apr-13	Sep-14	Jun-14
District	North Adams	Auburn	Chicopee	Peabody	Lynn	Wachusett	Chelsea	Haverhill <sup>1</sup>	
School Name	Conte Middle School	Auburn Middle School	Chicopee Academy	J. Henry Higgins Middle School	Thurgood Marshall MS	Mountain View Middle School	Clark Avenue Middle School	Caleb Distin Hunking Middle School	
Construction Type	Add/Reno	New	Renovation	New	New	New	New	New	
Enrollment	310	560	825	1,340	1,100	800	670	1,005	
GSF	78,119	100,395	176,425	211,982	181,847	126,200	115,235	147,996	
Assumed Start of Construction	Jan-14	Apr-14	Jul-14	Jun-14	May-14	Mar-14	Feb-15	May-15	
OPM	Strtegic Building Solutions, LLC	Skanska USA Building, Inc.	Arcadis U.S., Inc.	Daedalus Projects, Inc.	Joslin, Lesser & Associates	Town Employee	Pinck & Company, Inc.	Joslin, Lesser & Associates	
Designer	Margo Jone Architects, Inc	Lamoureux Pagano & Associates, Inc.	Caolo & Bieniek Associates, Inc.	DiNisco Deisgn Partnership	Raymond Design Associates	Lamoureux Pagano & Associates, Inc.	HMFH Architects	JCJ Architecture	
Cost Estimator	AM Fogarty	AM Fogarty	VJ Associates	AM Fogarty	VJ Associates	AM Fogarty	PM&C	VJ Associates	
Division #	Description of Work	Total Costs							
A	Substructure	\$153,700	\$1,312,435	\$301,703	\$2,908,292	\$7,244,706	\$1,480,143	\$3,253,769	\$2,486,821
B	Shell	\$4,250,600	\$7,638,427	\$3,244,857	\$16,064,335	\$16,624,415	\$10,231,943	\$8,546,875	\$12,055,257
B10	Superstructure	\$505,200	\$2,600,129	\$1,173,953	\$6,254,054	\$6,797,917	\$3,931,509	\$4,143,506	\$4,609,954
B20	Exterior Enclosure	\$3,144,900	\$3,593,701	\$1,766,632	\$7,513,989	\$7,829,061	\$5,074,898	\$3,602,488	\$5,670,811
B2010	Exterior Walls		\$2,719,810	\$292,610	\$4,806,352	\$4,969,818	\$3,820,285	\$2,622,495	\$4,272,072
B2020	Exterior Windows		\$717,242	\$1,427,522	\$2,568,062	\$2,716,024	\$1,171,583	\$933,823	\$1,300,559
B2030	Exterior Doors		\$156,649	\$46,500	\$139,575	\$143,219	\$83,030	\$46,170	\$98,180
B30	Roofing	\$600,500	\$1,444,597	\$304,272	\$2,296,292	\$1,997,437	\$1,225,536	\$800,881	\$1,774,492
C	Interiors	\$3,216,810	\$4,845,427	\$4,334,374	\$10,300,117	\$9,170,553	\$5,452,285	\$6,197,127	\$6,552,938
D	Services	\$5,960,900	\$7,902,151	\$13,627,146	\$16,117,582	\$14,941,020	\$9,881,752	\$10,101,675	\$12,212,163
D10	Conveying	\$247,300	\$84,860	\$175,000	\$210,420	\$186,500	\$144,360	\$273,500	\$186,420
D20	Plumbing	\$762,400	\$1,201,441	\$2,277,504	\$2,286,565	\$2,235,119	\$1,310,352	\$1,483,649	\$1,655,230
D30	HVAC	\$2,505,800	\$3,405,124	\$6,121,153	\$6,694,921	\$6,580,777	\$4,056,078	\$4,586,809	\$5,947,712
D40	Fire Protection	\$415,900	\$436,175	\$790,025	\$880,896	\$746,400	\$504,292	\$455,554	\$668,051
D50	Electrical Utilities	\$2,029,500	\$2,774,551	\$4,263,464	\$6,044,780	\$5,192,224	\$3,866,670	\$3,302,163	\$3,754,750
E	Furnishings & Fixed Equipment	\$939,100	\$1,652,518	\$608,580	\$2,171,878	\$1,933,070	\$1,913,682	\$1,211,630	\$1,139,563
	Building Value Engineering								
	<b>Building Subtotal</b>	<b>\$14,521,110</b>	<b>\$23,350,958</b>	<b>\$22,116,660</b>	<b>\$47,562,204</b>	<b>\$49,913,764</b>	<b>\$28,959,805</b>	<b>\$29,311,076</b>	<b>\$34,446,742</b>
F	Special Construction & Demo	\$1,173,870	\$1,107,713	\$3,396,348	\$367,520	\$1,480,548	\$3,137,750	\$743,385	
G	Other Site Construction	\$1,338,960	\$3,505,297	\$1,043,080	\$7,663,712	\$2,993,029	\$3,302,032	\$1,386,359	\$3,779,183
G10	Site Preparation	\$229,800	\$826,741	\$164,112	\$1,914,616	\$751,752	\$773,405	\$265,270	\$869,996
G20	Site Improvements	\$817,860	\$1,333,642	\$425,110	\$4,202,561	\$1,529,213	\$1,255,731	\$814,619	\$1,524,479
G30	Mechanical Utilities	\$190,300	\$1,023,406	\$378,640	\$910,885	\$554,114	\$745,054	\$170,750	\$693,501
G40	Electrical Utilities	\$101,000	\$321,508	\$75,218	\$635,650	\$157,950	\$527,842	\$135,720	\$691,207
	Other Site Construction								
	<b>Subtotal</b>	<b>\$17,033,940</b>	<b>\$26,856,255</b>	<b>\$24,267,453</b>	<b>\$58,622,264</b>	<b>\$53,274,313</b>	<b>\$33,742,385</b>	<b>\$33,835,185</b>	<b>\$38,969,310</b>
Z	Mark-Ups	\$4,223,139	\$7,018,847	\$5,795,644	\$13,578,267	\$11,534,162	\$7,383,471	\$9,788,697	\$9,275,820
Z	Insurance	\$234,941	\$234,941	\$250,000	\$643,435	\$744,000	\$291,862	\$550,000	
Z	Subcontractor Bond	\$323,645	\$296,026	\$649,870	\$434,725	\$367,746	\$375,000		
Z	Design & Pricing Contingency	\$1,703,394	\$2,092,901	\$2,845,993	\$6,563,685	\$5,061,060	\$2,785,675	\$2,706,815	\$3,120,847
Z	General Conditions	\$1,429,573	\$2,511,368	\$1,549,651	\$4,151,922	\$4,044,377	\$2,740,348	\$5,234,605	\$3,478,880
Z	Overhead & Profit / GMP Fee	\$766,527	\$986,653	\$650,000	\$1,569,355	\$1,250,000	\$1,197,840	\$1,065,300	\$975,000
Z	CM at Risk Contingency		\$896,958	\$500,000			\$781,977	\$776,093	
	<b>Construction Subtotal</b>	<b>\$21,257,079</b>	<b>\$33,875,102</b>	<b>\$30,063,097</b>	<b>\$72,200,531</b>	<b>\$64,808,475</b>	<b>\$41,125,856</b>	<b>\$43,623,882</b>	<b>\$48,245,130</b>
Z	Project Scope Adjustments								
Z	Escalation to Construction Mid-Point	\$596,188	\$1,599,574	\$713,893	\$2,888,021	\$2,916,769	\$1,996,401	\$2,422,485	\$1,753,700
	<b>Total Construction Cost</b>	<b>\$21,853,267</b>	<b>\$35,474,676</b>	<b>\$30,776,990</b>	<b>\$75,088,552</b>	<b>\$67,725,244</b>	<b>\$43,122,257</b>	<b>\$46,046,367</b>	<b>\$49,998,830</b>
	<b>Cost per Square Foot</b>	<b>\$280</b>	<b>\$353</b>	<b>\$174</b>	<b>\$354</b>	<b>\$372</b>	<b>\$342</b>	<b>\$400</b>	<b>\$338</b>
Bid Alternates			\$938,130		\$1,647,109	\$3,500,000			
CM Preconstruction Services			\$100,000	\$120,000		\$149,540		\$198,000	\$150,000
Construction Contingency	\$2,185,327	\$1,283,946	\$1,283,946	\$1,750,000	\$3,714,253	\$3,386,262	\$1,293,668	\$1,378,734	\$2,084,900
Designer	\$2,569,000	\$3,290,532	\$2,995,350	\$6,383,665	\$6,528,539	\$4,170,500	\$4,707,120	\$4,537,364	
OPM & other Professional services	\$1,176,000	\$1,267,968	\$1,038,600	\$1,722,700	\$2,350,461	\$1,082,000	\$1,725,020	\$1,660,000	
FF&E/IT	\$744,000	\$1,578,000	\$994,000	\$3,216,000	\$2,640,000	\$2,075,000	\$1,608,000	\$2,412,000	
Legal Fees	\$10,000			\$30,000		\$12,000			
Other Soft Costs	\$155,000	\$150,000	\$75,000	\$296,000	\$4,240,000	\$507,500	\$203,000	\$239,906	
Owner's Contingency	\$1,000,000	\$427,982	\$250,000	\$500,000	\$1,479,954	\$2,038,770	\$1,466,166	\$417,000	
	<b>Total Project Budget ***</b>	<b>\$29,692,594</b>	<b>\$44,511,234</b>	<b>\$37,999,940</b>	<b>\$92,598,279</b>	<b>\$92,000,000</b>	<b>\$54,301,695</b>	<b>\$57,332,407</b>	<b>\$61,500,000</b>
Bid Alternates			\$938,130		\$1,647,109	\$3,500,000			
Ineligible Costs & Contingency								\$918,270	\$1,584,912
Scope Exclusions	\$717,199	\$8,140,051	\$374,213	\$13,175,964	\$21,520,157	\$7,044,756	\$9,370,472	\$8,682,744	
<b>Basis for Total Facilities Grant</b>	<b>\$28,975,395</b>	<b>\$35,433,053</b>	<b>\$37,625,727</b>	<b>\$77,775,206</b>	<b>\$66,979,843</b>	<b>\$47,256,939</b>	<b>\$47,043,665</b>	<b>\$51,232,344</b>	
<b>Reimbursement Rate</b>	<b>80.00%</b>	<b>58.61%</b>	<b>80.00%</b>	<b>56.16%</b>	<b>80.00%</b>	<b>57.93%</b>	<b>80.00%</b>	<b>78.93%</b>	
<b>Maximum Facilities Grant</b>	<b>\$23,180,316</b>	<b>\$20,767,312</b>	<b>\$30,100,582</b>	<b>\$43,678,556</b>	<b>\$53,583,874</b>	<b>\$27,375,945</b>	<b>\$37,634,932</b>	<b>\$40,363,275</b>	

1 - Haverhill Caleb Dustin Dunking Middle School - Maximum Total Facilities Grant reflects recovery of \$74,414.

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

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Date Board Approved	Nov-14	Sep-15	Sep-15	Jul-16	Feb-17	Feb-17	Jun-17	Feb-18	
District	Scituate <sup>2</sup>	Beverly	Provincetown	Quincy <sup>3</sup>	Lynn	Lynn	Braintree <sup>4</sup>	Natick <sup>5</sup>	
School Name	Gates Intermediate School	New Beverly Middle School (Briscoe MS)	Provincetown Schools (k-8)	Reay E Sterling MS (5-8)	Pickering Middle School	West Lynn Middle School	East Middle School	John F. Kennedy MS	
Construction Type	New	New	Repair	New	New	New	Add/Reno	New	
Enrollment	710	1,395	n/a	430	652	1,008	1,180	1,000	
GSF	164,803	231,509	62,645	95,732	131,295	185,444	184,425	182,195	
Assumed Start of Construction	Dec-15	Dec-15	Apr-16	Jul-17	Apr-18	Apr-18	Feb-18	Mar-19	
OPM	Daedalus Projects, Inc.	HEERY	Atlantic Construction & Management, Inc.	Joslin, lesser + Assoc. Inc. / NV5	LEFTFIELD, LLC	LEFTFIELD, LLC	Hill International	Compass Project Management	
Designer	Dore & Whittier Architects, Inc.	Ai3	Raymond Design & Associates, Inc. (RDA)	Ai3 Architects, LLC.	Raymond Design Associates Inc.	Raymond Design Associates Inc.	Miller Dyer Spears Architects	Ai3	
Cost Estimator	PM&C	PM&C	Atlantic Construction & Management, Inc.	VJ Associates	AM Fogarty	AM Fogarty	VJ Associates	PM&C	
Division #	Description of Work								Total Costs
A	Substructure	\$2,671,916	\$8,661,726	\$0	\$3,695,436	\$2,944,085	\$9,817,190	\$2,216,125	\$2,738,705
B	Shell	\$14,556,886	\$18,581,244	\$595,444	\$8,618,110	\$16,559,310	\$21,785,576	\$11,767,216	\$19,613,953
B10	Superstructure	\$4,918,798	\$8,055,454	\$32,235	\$3,389,269	\$5,779,904	\$8,268,346	\$3,366,619	\$7,622,103
B20	Exterior Enclosure	\$7,259,103	\$8,798,120	\$140,636	\$4,160,996	\$9,095,044	\$11,451,368	\$5,934,014	\$9,779,002
B2010	Exterior Walls	\$5,064,095	\$8,798,120	\$17,165	\$0	\$5,124,696	\$6,544,993	\$3,689,175	\$6,871,683
B2020	Exterior Windows	\$2,026,703	\$0	\$123,471	\$0	\$3,810,785	\$4,787,663	\$2,153,409	\$2,739,101
B2030	Exterior Doors	\$168,305	\$0	\$0	\$0	\$159,563	\$118,712	\$91,430	\$168,218
B30	Roofing	\$2,378,985	\$1,727,670	\$422,573	\$1,067,845	\$1,684,362	\$2,065,862	\$2,466,583	\$2,212,848
C	Interiors	\$9,294,095	\$10,901,709	\$428,745	\$7,024,669	\$8,801,078	\$10,955,486	\$8,050,769	\$14,162,844
D	Services	\$14,571,503	\$21,179,383	\$2,588,900	\$9,272,302	\$13,736,509	\$19,322,059	\$19,160,544	\$20,087,882
D10	Conveying	\$180,000	\$430,000	\$0	\$216,000	\$136,620	\$174,420	\$150,000	\$509,000
D20	Plumbing	\$1,889,540	\$3,008,324	\$87,949	\$1,283,038	\$1,749,876	\$2,410,023	\$2,473,540	\$2,904,835
D30	HVAC	\$6,120,253	\$8,137,370	\$2,098,370	\$3,359,852	\$6,443,305	\$9,215,266	\$7,622,123	\$7,085,764
D40	Fire Protection	\$611,925	\$951,036	\$65,000	\$368,818	\$577,706	\$820,633	\$890,696	\$750,546
D50	Electrical Utilities	\$5,769,785	\$8,652,653	\$337,581	\$4,044,594	\$4,829,002	\$6,701,717	\$8,024,185	\$8,837,737
E	Furnishings & Fixed Equipment	\$2,559,490	\$3,626,858	\$58,080	\$958,806	\$2,357,684	\$2,854,671	\$2,895,585	\$1,750,477
	Building Value Engineering								\$0
	<b>Building Subtotal</b>	<b>\$43,653,890</b>	<b>\$62,950,920</b>	<b>\$3,671,169</b>	<b>\$29,569,323</b>	<b>\$44,398,666</b>	<b>\$64,734,982</b>	<b>\$44,090,239</b>	<b>\$58,353,861</b>
F	Special Construction & Demo	\$495,210	\$2,402,500	\$232,785	\$2,243,488	\$0	\$0	\$1,892,087	\$1,632,080
G	Other Site Construction	\$5,223,669	\$5,831,721	\$482,123	\$3,177,348	\$6,487,381	\$3,940,686	\$3,307,612	\$7,881,013
G10	Site Preparation	\$880,628	\$1,726,765	\$42,374	\$554,530	\$2,035,881	\$991,480	\$717,953	\$1,606,330
G20	Site Improvements	\$2,068,985	\$2,344,777	\$396,624	\$1,864,777	\$2,325,061	\$1,580,123	\$1,733,579	\$3,954,009
G30	Mechanical Utilities	\$1,454,656	\$1,104,424	\$43,125	\$636,791	\$1,700,229	\$1,027,253	\$619,080	\$1,577,654
G40	Electrical Utilities	\$819,400	\$656,040	\$0	\$121,250	\$426,210	\$341,830	\$237,000	\$743,020
	Other Site Construction	\$202,677	\$202,677	\$0	\$4,500	\$0	\$0	\$0	\$0
	<b>Subtotal</b>	<b>\$49,372,769</b>	<b>\$71,387,818</b>	<b>\$4,386,077</b>	<b>\$34,994,659</b>	<b>\$50,886,047</b>	<b>\$68,675,668</b>	<b>\$49,289,938</b>	<b>\$67,866,954</b>
Z	Mark-Ups	\$10,139,038	\$15,687,921	\$1,236,083	\$9,806,602	\$13,248,348	\$12,067,839	\$15,982,264	\$16,503,189
Z	Insurance	\$617,160	\$868,582	\$54,826	\$812,244	\$732,600	\$915,799	\$991,960	\$1,153,738
Z	Subcontractor Bond	\$320,924	\$394,405	\$28,510	\$673,992	\$842,535	\$425,126	\$678,670	\$678,670
Z	Design & Pricing Contingency	\$4,757,406	\$6,747,967	\$559,699	\$3,499,466	\$4,862,674	\$1,841,238	\$6,629,497	\$6,786,695
Z	General Conditions	\$2,962,365	\$4,341,939	\$364,750	\$3,794,515	\$4,341,721	\$5,171,390	\$5,384,926	\$5,848,077
Z	Overhead & Profit / GMP Fee	\$1,481,183	\$1,623,316	\$228,298	\$895,500	\$1,465,201	\$1,831,598	\$1,417,086	\$2,036,009
Z	CM at Risk Contingency	\$1,711,712	\$1,711,712	\$0	\$804,877	\$1,172,160	\$1,465,279	\$1,133,669	\$1,133,669
	<b>Construction Subtotal</b>	<b>\$59,511,807</b>	<b>\$87,075,739</b>	<b>\$5,622,160</b>	<b>\$44,801,261</b>	<b>\$64,134,395</b>	<b>\$80,743,507</b>	<b>\$65,272,202</b>	<b>\$84,370,143</b>
Z	Project Scope Adjustments								\$3,189,747
Z	Escalation to Construction Mid-Point	\$2,468,637	\$3,053,693	\$87,722	\$1,749,733	\$2,559,302	\$2,747,027	\$2,464,497	
	<b>Total Construction Cost</b>	<b>\$61,980,444</b>	<b>\$90,129,432</b>	<b>\$5,709,882</b>	<b>\$46,550,994</b>	<b>\$66,693,697</b>	<b>\$83,490,534</b>	<b>\$67,736,699</b>	<b>\$87,559,890</b>
	<b>Cost per Square Foot</b>	<b>\$376</b>	<b>\$389</b>	<b>\$91</b>	<b>\$486</b>	<b>\$508</b>	<b>\$450</b>	<b>\$367</b>	<b>\$481</b>
Bid Alternates			\$0	\$0	\$0	\$0	\$3,998,400	\$0	\$0
CM Preconstruction Services			\$192,064	\$0	\$135,000	\$100,000	\$100,000	\$150,000	\$0
Construction Contingency	\$2,526,561	\$2,703,883	\$342,593	\$2,001,657	\$3,349,685	\$4,174,527	\$2,715,468	\$4,249,059	\$4,249,059
Designer	\$6,917,495	\$9,253,171	\$669,260	\$5,341,171	\$7,226,726	\$6,195,000	\$7,062,476	\$9,369,652	\$9,369,652
OPM & other Professional services	\$1,989,500	\$3,504,530	\$526,136	\$1,721,088	\$2,444,100	\$2,630,000	\$2,365,643	\$3,103,489	\$3,103,489
FF&E/IT	\$1,704,000	\$3,348,000	\$0	\$1,720,000	\$1,564,800	\$2,419,200	\$2,832,000	\$4,201,910	\$4,201,910
Legal Fees		\$25,000	\$0	\$0	\$0	\$0	\$40,000	\$25,000	\$25,000
Other Soft Costs	\$367,000	\$355,000	\$5,580	\$265,000	\$1,277,600	\$330,000	\$75,000	\$551,000	\$551,000
Owner's Contingency	\$265,000	\$1,200,000	\$57,099	\$580,000	\$1,004,905	\$1,252,358	\$494,925	\$500,000	\$500,000
	<b>Total Project Budget ***</b>	<b>\$75,750,000</b>	<b>\$110,711,080</b>	<b>\$7,310,550</b>	<b>\$58,314,910</b>	<b>\$83,661,513</b>	<b>\$104,590,019</b>	<b>\$83,472,211</b>	<b>\$109,560,000</b>
Bid Alternates	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Ineligible Costs & Contingency	\$2,077,834	\$1,802,589	\$57,099	\$1,536,147	\$2,682,748	\$3,339,622	\$1,367,894	\$3,386,389	\$3,386,389
Scope Exclusions	\$25,527,015	\$21,349,824	\$245,301	\$16,776,493	\$27,108,897	\$29,985,402	\$10,890,317	\$28,761,414	\$28,761,414
	<b>Basis for Total Facilities Grant</b>	<b>\$48,145,151</b>	<b>\$87,558,667</b>	<b>\$7,008,150</b>	<b>\$40,002,270</b>	<b>\$53,869,868</b>	<b>\$71,264,995</b>	<b>\$71,214,000</b>	<b>\$77,412,197</b>
	<b>Reimbursement Rate</b>	<b>44.06%</b>	<b>56.19%</b>	<b>50.68%</b>	<b>73.22%</b>	<b>80.00%</b>	<b>80.00%</b>	<b>57.98%</b>	<b>48.21%</b>
	<b>Maximum Facilities Grant</b>	<b>\$20,945,070</b>	<b>\$49,199,215</b>	<b>\$3,551,730</b>	<b>\$29,285,563</b>	<b>\$43,095,894</b>	<b>\$57,011,996</b>	<b>\$41,289,877</b>	<b>\$37,320,420</b>

2 - Scituate Gates Intermediate School - The Maximum Facilities Grant reflects recovery cost of \$267,684.

3 - Quincy R.E. Sterling MS - The Maximum Facilities Grant reflects recovery cost of \$4,099.

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

4 - Braintree East MS - The Maximum Facilities Grant reflects recovery cost of \$7,160.

5 - Natick JFK - The Maximum Facilities Grant reflects recovery cost of \$12,929.

Information as of:

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

Middle Schools

April 2019

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	Oct-18	Dec-18	Apr-19		
District	Framingham <sup>6</sup>	Dennis-Yarmouth <sup>7</sup>	Weymouth <sup>8</sup>		
School Name	Fuller MS	Mattacheese MS	Maria Weston Chapman MS		
Construction Type	New	New	Add / Reno		
Enrollment	630	940	1,470		
GSF	136,970	186,500	252,170		
Assumed Start of Construction	Jun-19	Feb-20	Jul-20		
OPM	Symmes Maini & Mckee Associates, Inc.	PMA	Hill International		
Designer	Jonathan Levi Architects	Perkins Eastman	HMFH		
Cost Estimator	Miyakoda Consulting	AM Fogarty	PM&C		
				<b>TOTAL</b>	
				<b>ALL MIDDLE SCHOOLS</b>	
Division #	Description of Work				
A	Substructure	\$3,342,276	\$5,235,646	\$5,468,546	\$65,933,220
B	Shell	\$14,511,874	\$22,516,695	\$26,642,961	\$227,763,017
B10	Superstructure	\$4,939,081	\$7,187,981	\$9,815,010	\$93,391,022
B20	Exterior Enclosure	\$7,306,182	\$11,577,704	\$12,348,557	\$113,698,649
B2010	Exterior Walls	\$4,172,373	\$6,916,489	\$12,348,557	\$83,050,788
B2020	Exterior Windows	\$3,024,209	\$4,455,765		\$33,955,921
B2030	Exterior Doors	\$109,600	\$205,450		\$1,734,601
B30	Roofing	\$2,266,611	\$3,751,010	\$4,479,394	\$34,967,750
C	Interiors	\$10,819,707	\$12,872,813	\$17,862,596	\$143,381,546
D	Services	\$15,330,863	\$19,103,325	\$25,648,214	\$245,097,659
D10	Conveying	\$242,200	\$207,000	\$272,800	\$4,026,400
D20	Plumbing	\$2,051,850	\$2,393,190	\$3,650,580	\$37,115,005
D30	HVAC	\$7,052,250	\$9,194,295	\$12,664,638	\$118,891,860
D40	Fire Protection	\$752,345	\$884,850	\$1,164,284	\$12,735,132
D50	Electrical Utilities	\$5,232,218	\$6,423,990	\$7,895,912	\$97,977,476
E	Furnishings & Fixed Equipment	\$3,228,022	\$2,877,820	\$5,381,629	\$34,737,514
	Building Value Engineering				\$0
	<b>Building Subtotal</b>	<b>\$47,232,742</b>	<b>\$62,606,299</b>	<b>\$81,003,946</b>	<b>\$711,444,410</b>
F	Special Construction & Demo	\$3,063,200	\$0	\$5,690,445	\$23,368,484
G	Other Site Construction	\$6,719,690	\$9,485,544	\$9,965,351	\$77,548,439
G10	Site Preparation	\$2,816,982	\$751,859	\$1,759,548	\$19,680,022
G20	Site Improvements	\$2,786,868	\$7,200,095	\$5,817,263	\$43,975,091
G30	Mechanical Utilities	\$715,840	\$875,790	\$1,657,940	\$16,079,432
G40	Electrical Utilities	\$400,000	\$657,800	\$730,600	\$7,779,245
	Other Site Construction			\$0	\$207,177
	<b>Subtotal</b>	<b>\$57,015,632</b>	<b>\$72,091,843</b>	<b>\$96,659,742</b>	<b>\$812,568,510</b>
Z	Mark-Ups	\$17,444,969	\$18,048,057	\$25,970,125	\$198,762,357
Z	Insurance	\$3,607,137	\$1,036,320	\$2,414,817	\$15,919,421
Z	Subcontractor Bond	\$698,690	\$829,056	\$0	\$7,338,920
Z	Design & Pricing Contingency	\$5,395,243	\$7,209,184	\$9,955,953	\$85,125,392
Z	General Conditions	\$3,651,036	\$5,803,393	\$7,849,792	\$74,654,628
Z	Overhead & Profit / GMP Fee	\$2,192,863	\$3,170,104	\$2,299,825	\$27,101,658
Z	CM at Risk Contingency	\$1,900,000		\$3,449,738	\$14,592,463
	<b>Construction Subtotal</b>	<b>\$74,460,601</b>	<b>\$90,139,900</b>	<b>\$122,629,867</b>	<b>\$1,011,330,867</b>
Z	Project Scope Adjustments				\$3,189,747
Z	Escalation to Construction Mid-Point	\$3,474,828	\$3,604,592	\$5,475,774	\$42,572,836
	<b>Total Construction Cost</b>	<b>\$77,935,429</b>	<b>\$93,744,492</b>	<b>\$128,105,641</b>	<b>\$1,051,617,676</b>
	<b>Cost per Square Foot</b>	<b>\$569</b>	<b>\$503</b>	<b>\$508</b>	
Bid Alternates	\$0	\$0	\$0	\$0	\$10,083,639
CM Preconstruction Services	\$400,000			\$480,000	\$2,274,604
Construction Contingency	\$3,896,771	\$4,687,225		\$6,405,282	\$54,129,801
Designer	\$8,240,068	\$10,839,820		\$14,995,255	\$106,296,909
OPM & other Professional services	\$2,827,901	\$4,362,944		\$4,600,160	\$37,498,080
FF&E/IT	\$2,268,000	\$2,256,000		\$5,292,000	\$37,580,910
Legal Fees	\$80,000	\$25,000		\$50,000	\$297,000
Other Soft Costs	\$1,070,000	\$350,000		\$1,407,000	\$10,512,586
Owner's Contingency	\$1,558,709	\$713,350		\$2,899,792	\$18,106,010
	<b>Total Project Budget ***</b>	<b>\$98,276,878</b>	<b>\$116,978,831</b>	<b>\$164,235,130</b>	<b>\$1,318,562,141</b>
Bid Alternates			\$0	\$0	\$6,085,239
Ineligible Costs & Contingency	\$3,117,417	\$3,749,780		\$3,843,169	\$29,463,870
Scope Exclusions	\$31,821,650	\$34,632,233		\$61,100,393	\$357,224,495
	<b>Basis for Total Facilities Grant</b>	<b>\$63,337,811</b>	<b>\$78,596,818</b>	<b>\$99,291,568</b>	<b>\$990,732,099</b>
	<b>Reimbursement Rate</b>	<b>62.31%</b>	<b>57.68%</b>	<b>61.08%</b>	
	<b>Maximum Facilities Grant</b>	<b>\$39,465,790</b>	<b>\$45,334,645</b>	<b>\$60,647,290</b>	<b>\$643,184,992</b>

6 - Framingham Fuller MS - The Maximum Facilities Grant reflects a recovery cost of \$11,858.

7 - Dennis - Yarmouth Mattacheese MS - The Maximum Facilities Grant reflects a recovery cost of \$15,901.

8 - Weymouth Chapman MS - The Maximum Facilities Grant reflects a recovery cost of \$45,007.