

**Estimated Construction & Total Project Budget Cost Data at Schematic Design [PRIOR TO JANUARY 1, 2014]**

**Totals - All School Types**

The information and data contained in this spreadsheet, for construction projects prior to January 1, 2014, is based on the MSBA's review of construction cost estimates, contracts and other documentation provided by cities, towns, and regional school districts. This information and data is intended for informational purposes only. The data may have changed based on actual construction bids or contract amendments, for example, and the MSBA shall have no responsibility or duty to update any of the information contained in this spreadsheet. Additionally, districts may refer to their district and school names using different titles than what is shown in this report. Please contact the Districts for the most current information. The MSBA hereby disclaims any and all liability and responsibility that may arise in connection with the information contained in this spreadsheet. This spreadsheet may include a preliminary review of scope exclusions but all costs identified are subject to review and audit by the MSBA and may not be eligible for reimbursement by the MSBA.

DESCRIPTION		TOTAL ALL ELEMENTARY SCHOOLS	TOTAL ALL MIDDLE SCHOOLS	TOTAL ALL MIDDLE/HIGH SCHOOLS	TOTAL ALL HIGH SCHOOLS	GRAND TOTAL * ALL SCHOOLS TYPES
Division #	Description of Work					
A	Substructure	\$32,915,509	\$17,675,823	\$16,946,232	\$74,794,120	\$142,331,684
B	Shell	\$185,383,796	\$90,662,226	\$98,803,537	\$421,860,943	\$796,710,502
B10	Superstructure	\$62,154,043	\$28,742,308	\$34,036,891	\$153,555,250	\$278,488,492
B20	Exterior Enclosure	\$85,656,884	\$45,563,414	\$46,453,901	\$183,899,872	\$361,574,071
B201	Exterior Walls	\$23,488,910	\$8,271,907	\$13,371,963	\$56,323,812	\$101,456,592
B202	Exterior Windows	\$8,001,366	\$5,831,439	\$9,111,423	\$22,287,640	\$45,231,868
B203	Exterior Doors	\$930,486	\$1,373,565	\$556,677	\$1,944,738	\$4,805,466
B30	Roofing	\$36,586,162	\$16,356,504	\$18,312,745	\$80,082,522	\$151,337,933
C	Interi	\$108,648,734	\$57,489,381	\$70,047,051	\$296,258,660	\$532,443,826
D	Services	\$202,797,935	\$112,265,248	\$109,388,295	\$501,462,471	\$925,913,949
D10	Conveying	\$3,128,914	\$1,896,448	\$1,230,129	\$5,476,721	\$11,732,212
D20	Plumbing	\$25,930,318	\$14,153,900	\$15,014,383	\$66,073,978	\$121,172,579
D30	HVAC	\$87,005,866	\$47,926,714	\$44,176,190	\$221,994,782	\$401,103,552
D40	Fire Protection	\$11,755,915	\$7,926,784	\$7,523,138	\$29,688,343	\$56,894,180
D50	Electrical Utilities	\$69,868,177	\$40,361,402	\$41,444,455	\$177,580,647	\$329,254,681
E	Furnishings & Fixed Equipment	\$31,093,444	\$16,810,173	\$21,420,236	\$78,337,209	\$147,661,062
	Building Value Engineering	-\$1,002,456	-\$2,100,000	\$0	\$0	-\$3,102,456
	<b>Building Subtotal</b>	<b>\$559,836,962</b>	<b>\$292,802,851</b>	<b>\$316,605,351</b>	<b>\$1,372,713,403</b>	<b>\$2,541,958,567</b>
F	Special Construction & Demo	\$26,379,889	\$17,442,192	\$19,754,489	\$66,479,642	\$130,056,212
G	Other Site Construction	\$83,594,017	\$31,053,427	\$40,671,636	\$163,673,378	\$318,992,458
G10	Site Preparation	\$19,146,037	\$6,026,635	\$8,490,097	\$35,187,288	\$68,850,057
G20	Site Improvements	\$38,754,819	\$16,519,649	\$21,156,602	\$82,456,672	\$158,887,742
G30	Mechanical Utilities	\$19,119,751	\$6,723,735	\$7,337,218	\$33,851,996	\$67,032,700
G40	Electrical Utilities	\$5,470,842	\$1,783,408	\$3,687,719	\$12,177,422	\$23,119,391
	Other Site Construction	-\$2,030,729	-\$874,000	\$2,300,000	\$3,167,078	\$2,562,349
	<b>Subtotal</b>	<b>\$667,810,868</b>	<b>\$340,424,470</b>	<b>\$379,331,476</b>	<b>\$1,606,033,501</b>	<b>\$2,993,600,315</b>
Z	Mark-Ups	\$147,541,603	\$71,000,262	\$79,782,690	\$310,725,006	\$609,049,561
Z	Insurance	\$5,141,417	\$4,566,491	\$4,482,194	\$18,035,551	\$32,225,653
Z	Subcontractor Bond	\$4,963,060	\$2,913,506	\$2,211,043	\$10,438,838	\$20,526,447
Z	Design & Pricing Contingency	\$53,644,314	\$25,563,576	\$29,688,783	\$113,821,015	\$222,717,688
Z	General Conditions	\$49,072,612	\$24,544,835	\$19,118,574	\$102,262,026	\$194,998,047
Z	Overhead & Profit	\$29,692,166	\$10,481,986	\$20,082,253	\$59,611,523	\$119,867,928
Z	CM at Risk Contingency	\$5,028,034	\$2,929,868	\$4,199,843	\$6,556,053	\$18,713,798
	<b>Construction Subtotal</b>	<b>\$815,352,471</b>	<b>\$411,424,732</b>	<b>\$459,114,166</b>	<b>\$1,916,758,507</b>	<b>\$3,602,649,876</b>
	Project Scope Adjustments	\$219,719	\$3,831,763	-\$2,847,743	\$20,111,343	\$21,315,082
Z	Escalation to Construction Mid-Point	\$28,925,849	\$12,321,065	\$16,276,151	\$71,716,834	\$129,239,899
	<b>Total Construction Cost</b>	<b>\$844,498,039</b>	<b>\$427,577,560</b>	<b>\$472,542,574</b>	<b>\$2,008,586,684</b>	<b>\$3,753,204,857</b>
	Bid Alternates	\$4,822,979	\$3,195,826	\$8,485,101	\$49,331,246	\$65,835,152
	CM Pre-Construction Services	\$1,168,000	\$1,033,000	\$950,000	\$2,005,029	\$5,156,029
	Construction Contingency	\$42,560,073	\$21,836,307	\$24,942,739	\$91,490,771	\$180,829,890
	Designer	\$90,063,704	\$40,792,054	\$47,945,568	\$161,814,139	\$340,615,465
	OPM & other Professional services	\$34,060,588	\$15,389,144	\$16,647,549	\$70,069,181	\$136,166,462
	FF&E/IT	\$39,166,117	\$18,692,400	\$22,038,000	\$95,784,094	\$175,680,611
	Legal Fees	\$526,570	\$355,000	\$180,000	\$1,344,000	\$2,405,570
	Other Soft Costs	\$16,571,866	\$10,592,369	\$5,232,064	\$23,048,391	\$55,444,690
	Owner's Contingency	\$16,227,805	\$7,733,857	\$8,034,052	\$41,402,637	\$73,398,351
	<b>Total Project Budget</b>	<b>\$1,089,665,741</b>	<b>\$547,197,517</b>	<b>\$606,997,647</b>	<b>\$2,544,876,172</b>	<b>\$4,788,737,077</b>
	Bid Alternates	\$4,822,979	\$3,195,826	\$8,485,101	\$49,331,246	\$65,835,152
	Ineligible Costs & Contingencies	\$32,010,063	\$15,673,783	\$7,653,469	\$35,559,152	\$90,896,467
	Scope Exclusions	\$96,976,843	\$28,636,149	\$46,229,470	\$163,607,974	\$335,450,436
	<b>Basis for Total Facilities Grant</b>	<b>\$955,855,856</b>	<b>\$499,691,759</b>	<b>\$544,629,607</b>	<b>\$2,296,377,800</b>	<b>\$4,296,555,022</b>
	<b>Maximum Facilities Grant</b>	<b>\$512,478,475</b>	<b>\$289,193,505</b>	<b>\$315,334,433</b>	<b>\$1,355,149,614</b>	<b>\$2,472,156,027</b>

\* Total Cost data does not include all Repair Projects, Green Repair Program Projects, Science Lab Projects, Wait List Projects, and the Beverly High School for which cost data was not available in the required format.

**Estimated Construction & Total Project Budget Cost Data at Schematic Design [PRIOR TO JANUARY 1, 2014]  
Elementary Schools**

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District	Andover	Arlington	Ashburnham-Westminster	Belmont	Billerica	Brookline	Brookline	Burlington	
School Name	Bancroft ES	Thompson ES	Briggs ES	Roger Wellington ES	Parker ES	Heath K-8	John D Runkle K-8	Memorial ES	
Construction Type	New	New	New	New	New	Add/Reno	Add/Reno	New	
Enrollment	680	380	520	575	500	560	560	500	
GSF	106,486	57,396	86,100	88,203	88,129	80,952	104,765	78,500	
Assumed Start of Construction	Dec-11	Apr-12	Feb-12	Jan-10	Jul-10	Jun-11	Nov-10	Mar-10	
OPM	Town of Andover	PMA Consultants	STV, Inc.	PMA Consultants	Joslin, Lesser & Associates, Inc.	Town Employee	Town Employee	Construction Monitoring Services, Inc.	
Designer	Symmes Maini & McKee Associates	HMFH Architects, Inc.	Lamoureux Pagano & Associates, Inc.	Jonathan Levi Architects LLC	Symmes Maini & McKee Associates	Miller Dyer Spears, Inc.	Design Partnership of Cambridge, Inc.	Knight, Bagge & Anderson, Inc.	
Cost Estimator	Daedalus Projects, Inc.	PM&C	AM Fogarty	Daedalus Projects, Inc.	Keville Enterprises	AM Fogarty	Essential Design & Estimating	Carmone Estimating Group	
Division	Description of Work		Total Costs						
A	Substructure	\$677,150	\$760,000	\$1,161,624	\$1,191,306	\$1,014,182	\$506,613	\$587,002	\$1,081,336
B	Shell	\$7,868,154	\$3,764,180	\$5,980,679	\$6,489,630	\$7,063,244	\$1,146,157	\$4,216,225	\$4,796,599
	B10 Superstructure	\$2,418,940	\$1,448,608	\$1,505,936	\$2,086,189	\$2,155,150	\$365,925	\$1,482,195	\$1,766,670
	B20 Exterior Enclosure	\$4,571,892	\$1,801,879	\$3,324,328	\$3,566,726	\$3,687,489	\$516,671	\$1,883,810	\$2,114,584
	B2010 Exterior Walls	-	-	-	\$2,305,171	-	-	-	\$1,601,717
	B2020 Exterior Windows	-	-	-	\$1,136,005	-	-	-	\$471,631
	B2030 Exterior Doors	-	-	-	\$125,550	-	-	-	\$41,236
	B30 Roofing	\$877,322	\$513,693	\$1,150,415	\$836,715	\$1,220,605	\$263,561	\$850,220	\$915,345
C	Interiors	\$4,775,159	\$2,399,927	\$3,066,156	\$4,712,884	\$3,243,822	\$905,200	\$4,042,036	\$2,785,877
D	Services	\$7,052,414	\$3,776,104	\$4,957,458	\$5,993,917	\$5,994,805	\$1,383,461	\$7,232,006	\$4,968,775
	D10 Conveying	\$200,000	\$91,300	\$76,500	\$106,600	\$112,000	\$0	\$121,793	\$90,000
	D20 Plumbing	\$1,095,650	\$531,265	\$714,700	\$842,140	\$639,250	\$234,125	\$917,623	\$667,250
	D30 HVAC	\$2,989,027	\$1,537,484	\$2,152,500	\$2,783,723	\$2,757,900	\$717,156	\$3,060,856	\$2,119,500
	D40 Fire Protection	\$346,720	\$210,487	\$322,875	\$365,733	\$350,269	\$105,440	\$456,316	\$365,025
	D50 Electrical Utilities	\$2,421,017	\$1,405,568	\$1,690,883	\$1,895,721	\$2,135,386	\$326,740	\$2,675,418	\$1,727,000
E	Furnishings & Fixed Equipment	\$1,593,821	\$860,903	\$1,150,255	\$384,400	\$818,931	\$416,881	\$892,785	\$1,230,326
	Building Value Engineering								
	<b>Building Subtotal</b>	<b>\$21,966,698</b>	<b>\$11,561,114</b>	<b>\$16,316,172</b>	<b>\$18,772,137</b>	<b>\$18,134,984</b>	<b>\$4,358,312</b>	<b>\$16,970,054</b>	<b>\$14,862,913</b>
F	Special Construction & Demo	\$814,400	\$894,550	\$543,050	\$401,440	\$225,095	\$914,814	\$900,000	\$900,000
G	Other Site Construction	\$5,166,413	\$1,159,111	\$2,498,462	\$4,628,059	\$2,863,382	\$559,665	\$1,480,066	\$1,946,585
	G10 Site Preparation	\$1,104,430	\$147,878	\$643,288	\$3,805,732	\$940,294	\$35,321	\$199,871	\$943,861
	G20 Site Improvements	\$2,502,683	\$736,869	\$923,015	\$324,177	\$1,374,953	\$291,365	\$605,968	\$758,259
	G30 Mechanical Utilities	\$1,234,800	\$182,084	\$745,407	\$407,500	\$318,635	\$207,229	\$571,368	\$131,270
	G40 Electrical Utilities	\$324,500	\$92,280	\$186,752	\$90,650	\$229,500	\$25,750	\$102,859	\$113,195
	Other Site Construction								
	<b>Subtotal</b>	<b>\$27,947,511</b>	<b>\$13,614,775</b>	<b>\$19,357,684</b>	<b>\$23,400,196</b>	<b>\$21,399,806</b>	<b>\$5,143,072</b>	<b>\$19,364,934</b>	<b>\$17,709,498</b>
Z	Mark-Ups	\$5,737,429	\$1,833,986	\$4,715,449	\$4,982,136	\$4,894,137	\$1,750,518	\$1,994,921	\$4,075,724
Z	Insurance	\$645,588	\$158,960	\$338,759	In Overhead	\$247,168		Inc in General Cndts	
Z	Subcontractor Bond		\$82,605		In Overhead	\$153,009		Inc in General Cndts	\$504,285
Z	Design & Pricing Contingency	\$2,794,751	\$640,000	\$1,549,403	\$2,073,473	\$2,139,981	\$560,268	Inc in General Cndts	\$1,054,750
Z	General Conditions		\$635,421		\$1,848,082	\$1,647,785	\$756,187	\$1,487,349	\$1,560,000
Z	Overhead & Profit / GMP Fee	\$2,297,090	\$317,000	\$630,093	\$1,060,581	\$706,194	\$351,265	\$507,572	\$956,689
Z	CM@Risk Contingency			\$2,197,194					
	<b>Construction Subtotal</b>	<b>\$33,684,940</b>	<b>\$15,448,761</b>	<b>\$24,073,133</b>	<b>\$28,382,332</b>	<b>\$26,293,943</b>	<b>\$6,893,590</b>	<b>\$21,359,855</b>	<b>\$21,785,222</b>
Z	Project Scope Adjustments			\$219,719					
Z	Escalation to Construction Mid-Point	\$842,123	\$317,920	\$487,777	\$429,472	\$762,524	\$123,259	\$1,165,386	\$420,237
	<b>Total Construction Cost</b>	<b>\$34,527,063</b>	<b>\$15,766,681</b>	<b>\$24,780,629</b>	<b>\$28,811,804</b>	<b>\$27,056,467</b>	<b>\$7,016,849</b>	<b>\$22,525,241</b>	<b>\$22,205,459</b>
	<b>Cost per Square Foot</b>	<b>\$324</b>	<b>\$275</b>	<b>\$288</b>	<b>\$327</b>	<b>\$307</b>	<b>\$87</b>	<b>\$215</b>	<b>\$283</b>
Bid Alternates									
	CM Preconstruction Services	\$125,000		\$96,000					
	Construction Contingency	\$1,726,353	\$630,559		\$1,549,118	\$1,352,823	\$350,842	\$1,351,515	\$1,004,524
	Designer	\$4,125,465	\$2,189,000	\$2,411,500	\$3,445,975	\$2,872,502	\$799,957	\$2,193,500	\$2,847,951
	OPM & other Professional services	\$1,363,300	\$746,123	\$1,105,468	\$1,359,354	\$1,081,144	\$340,000	\$961,000	\$635,311
	FF&E/IT	\$1,824,750	\$900,000	\$1,248,000	\$1,380,000	\$1,200,000	\$163,000	\$1,171,375	\$1,100,000
	Legal Fees	\$85,000							
	Other Soft Costs	\$365,000	\$541,000	\$150,000	\$3,730,897	\$102,500	\$105,000	\$1,400,000	\$130,000
	Owner's Contingency	\$517,906		\$270,000	\$387,283	\$342,000	\$24,352	\$237,500	
	<b>Total Project Budget *****</b>	<b>\$44,659,837</b>	<b>\$20,773,363</b>	<b>\$30,061,597</b>	<b>\$40,664,431</b>	<b>\$34,007,436</b>	<b>\$8,800,000</b>	<b>\$29,840,131</b>	<b>\$27,923,245</b>
Bid Alternates									
	Ineligible Costs & Contingency	\$560,644	\$963,095	\$473,243	\$5,900,465	\$128,933	\$45,839	\$1,182,343	\$960,000
	Scope Exclusions	\$5,977,026	\$738,863	\$1,614,616	\$3,763,915	\$2,313,439	\$287,874	\$141,910	
	<b>Basis for Total Facilities Grant</b>	<b>\$38,122,167</b>	<b>\$19,071,405</b>	<b>\$27,973,738</b>	<b>\$31,000,051</b>	<b>\$31,565,064</b>	<b>\$8,466,287</b>	<b>\$28,515,878</b>	<b>\$26,963,245</b>
	<b>Reimbursement Rate</b>	<b>44.00%</b>	<b>50.42%</b>	<b>58.46%</b>	<b>40.00%</b>	<b>55.69%</b>	<b>39.93%</b>	<b>41.58%</b>	<b>52.11%</b>
	<b>Maximum Facilities Grant</b>	<b>\$16,773,753</b>	<b>\$9,615,802</b>	<b>\$16,353,447</b>	<b>\$12,400,020</b>	<b>\$17,578,584</b>	<b>\$3,380,588</b>	<b>\$11,856,902</b>	<b>\$14,050,547</b>

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

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District	Carlisle	Dedham	Douglas	Fairhaven	Georgetown	Lexington	Lincoln	Littleton *	
School Name	Carlisle K-8	Avery ES	Douglas ES	Rogers ES	Penn Brook ES	Estabrook ES	Lincoln ES	Russel St ES	
Construction Type	Add/Reno	New	New	New	New	New	Add/Reno	Repair	
Enrollment	700	310	552	370	770	540	600	389	
GSF	140,107	61,000	83,100	77,871	98,000	91,840	139,534	70,887	
Assumed Start of Construction	Feb-11	Oct-10	Jan-12	Jul-12	Oct-13	Jun-12	Sep-13	Jun-09	
OPM	Daedalus Projects, Inc.	Construction Monitoring Services, Inc.	Heery International, Inc.	Daedalus Projects, Inc.	Municipal Building Consultants, Inc.	Hill International	Skanska US Buildings, Inc.	Daedalus Projects, Inc.	
Designer	HMFH Architects, Inc.	Dore & Whittier Architects, Inc.	DiNisco Design Partnership, Inc.	HMFH Architects, Inc.	Drummey Rosane Anderson, Inc.	DiNisco Design Partnership	OMR Architects, Inc.	Drummey Rosane Anderson, Inc.	
Cost Estimator	PM&C	Daedalus Projects, Inc.	AM Fogarty	PM&C	Rider Levett Bucknall	Cost Pro	DG Jones International, Inc.	Cost Pro	
Division	Description of Work		Total Costs						
A	Substructure	\$548,592	\$710,936	\$1,074,565	\$1,421,725	\$1,626,064	\$1,026,891	\$1,332,521	\$13,857
B	Shell	\$3,814,137	\$4,838,177	\$5,376,343	\$4,200,481	\$7,688,343	\$6,016,934	\$7,767,976	\$590,000
	B10 Superstructure	\$784,717	\$1,405,760	\$1,892,886	\$1,687,516	\$2,797,031	\$2,455,361	\$1,964,689	-
	B20 Exterior Enclosure	\$1,136,417	\$2,828,000	\$2,931,125	\$1,552,779	\$3,522,835	\$2,784,488	\$3,553,151	-
	B2010 Exterior Walls	\$755,077	\$2,214,227	-	-	\$2,967,333	-	\$2,007,479	-
	B2020 Exterior Windows	\$325,750	\$558,473	-	-	\$512,202	-	\$1,316,531	-
	B2030 Exterior Doors	\$55,590	\$55,300	-	-	\$43,300	-	\$229,141	-
	B30 Roofing	\$1,893,003	\$604,417	\$552,332	\$960,186	\$1,368,477	\$777,085	\$2,250,136	\$750,000
C	Interiors	\$2,188,969	\$2,608,060	\$3,870,604	\$2,987,996	\$3,763,873	\$4,058,386	\$4,159,615	\$750,000
D	Services	\$3,161,060	\$3,684,103	\$5,612,761	\$5,247,546	\$7,666,486	\$7,079,834	\$9,912,876	\$5,108,745
	D10 Conveying	\$82,500	\$112,000	\$129,204	\$80,000	\$125,000	\$184,000		
	D20 Plumbing	\$342,080	\$500,750	\$640,941	\$750,470	\$843,220	\$820,282	\$1,372,366	
	D30 HVAC	\$1,366,715	\$1,428,706	\$2,459,667	\$2,185,050	\$2,918,256	\$3,428,666	\$4,519,646	
	D40 Fire Protection	\$225,880	\$245,801	\$301,911	\$290,838	\$366,510	\$374,796	\$648,731	
	D50 Electrical Utilities	\$1,143,885	\$1,396,846	\$2,081,038	\$1,941,188	\$3,413,530	\$2,272,090	\$3,372,133	
E	Furnishings & Fixed Equipment	\$161,152	\$471,100	\$806,074	\$548,439	\$1,404,530	\$1,238,948	\$1,462,421	\$85,645
	Building Value Engineering			-\$1,002,456					
	<b>Building Subtotal</b>	<b>\$9,873,910</b>	<b>\$12,312,376</b>	<b>\$15,737,891</b>	<b>\$14,406,187</b>	<b>\$22,149,296</b>	<b>\$19,420,993</b>	<b>\$24,635,409</b>	<b>\$6,548,247</b>
F	Special Construction & Demo	\$200,000	\$200,000	\$513,146	\$970,035	\$955,550	\$1,103,622	\$546,969	
G	Other Site Construction	\$1,179,254	\$1,981,506	\$3,740,431	\$1,721,166	\$4,862,379	\$3,430,807	\$4,322,865	\$1,133,297
	G10 Site Preparation	\$35,602	\$423,701	\$635,871	\$223,521	\$547,650	\$472,259	\$1,096,548	-
	G20 Site Improvements	\$856,217	\$1,054,265	\$2,376,118	\$929,145	\$2,051,832	\$1,923,783	\$1,763,248	
	G30 Mechanical Utilities	\$217,435	\$300,740	\$845,320	\$384,200	\$1,960,828	\$771,994	\$1,133,851	-
	G40 Electrical Utilities	\$70,000	\$202,800	\$176,622	\$184,300	\$302,069	\$329,218		-
	Other Site Construction			-\$293,500		\$0	\$262,771		
	<b>Subtotal</b>	<b>\$11,674,459</b>	<b>\$14,493,882</b>	<b>\$19,478,322</b>	<b>\$16,640,499</b>	<b>\$27,981,710</b>	<b>\$23,807,350</b>	<b>\$30,061,896</b>	<b>\$8,228,513</b>
Z	Mark-Ups	\$3,225,042	\$2,838,408	\$4,499,662	\$3,042,172	\$7,242,063	\$5,607,415	\$7,609,467	\$2,404,747
Z	Insurance	\$128,424	\$300,172		\$117,518		\$257,868	\$261,345	
Z	Subcontractor Bond	\$109,160	\$97,556		\$117,518	\$453,572		\$348,460	\$156,516
Z	Design & Pricing Contingency	\$1,167,491	\$714,694	\$1,500,000	\$1,339,240	\$3,191,937	\$1,953,353	\$2,676,140	\$1,206,299
Z	General Conditions	\$1,434,240	\$1,200,686		\$1,080,000	\$2,368,886	\$1,480,000	\$2,980,992	\$1,041,932
Z	Overhead & Profit / GMP Fee	\$385,727	\$525,300	\$2,999,662	\$387,896	\$1,227,668	\$1,076,252	\$767,160	
Z	CM@Risk Contingency					\$0	\$839,942	\$575,370	
	<b>Construction Subtotal</b>	<b>\$14,899,501</b>	<b>\$17,332,290</b>	<b>\$23,977,984</b>	<b>\$19,682,671</b>	<b>\$35,223,773</b>	<b>\$29,414,765</b>	<b>\$37,671,363</b>	<b>\$10,633,260</b>
Z	Project Scope Adjustments								
Z	Escalation to Construction Mid-Point	\$744,962	\$599,630	\$854,904	\$494,567	\$1,755,692	\$1,730,280	\$2,029,178	
	<b>Total Construction Cost</b>	<b>\$15,644,463</b>	<b>\$17,931,920</b>	<b>\$24,832,888</b>	<b>\$20,177,238</b>	<b>\$36,979,465</b>	<b>\$31,145,045</b>	<b>\$39,700,541</b>	<b>\$10,633,260</b>
	<b>Cost per Square Foot</b>	<b>\$112</b>	<b>\$294</b>	<b>\$299</b>	<b>\$259</b>	<b>\$377</b>	<b>\$339</b>	<b>\$285</b>	<b>\$150</b>
	Bid Alternates			\$509,276		\$0			
	CM Preconstruction Services					\$0	\$200,000	\$200,000	
	Construction Contingency	\$1,250,000	\$896,596	\$1,264,036	\$807,089	\$1,848,973	\$1,557,252	\$2,000,000	\$761,340
	Designer	\$1,731,537	\$2,489,482	\$2,683,030	\$1,630,112	\$3,578,450	\$3,496,750	\$4,516,410	\$1,477,500
	OPM & other Professional services	\$705,000	\$600,157	\$1,200,500	\$428,000	\$1,331,290	\$1,468,300	\$1,474,590	\$417,900
	FF&E/IT	\$532,000	\$744,000	\$1,324,800	\$885,000	\$1,848,000	\$1,731,500	\$1,440,000	
	Legal Fees	\$20,000		\$96,570	\$10,000	\$15,000	\$30,000		\$10,000
	Other Soft Costs	\$192,000	\$55,000	\$190,000	\$217,800	\$130,000	\$355,000	\$125,000	\$100,000
	Owner's Contingency		\$649,584	\$640,000	\$500,000	\$438,222	\$808,401	\$500,000	
	<b>Total Project Budget *****</b>	<b>\$20,075,000</b>	<b>\$23,366,739</b>	<b>\$32,741,100</b>	<b>\$24,655,239</b>	<b>\$46,169,400</b>	<b>\$40,792,248</b>	<b>\$49,956,541</b>	<b>\$13,400,000</b>
	Bid Alternates			\$509,276	\$0	\$0			
	Ineligible Costs & Contingency	\$554,068	\$327,255	\$166,570	\$355,463	\$0			\$10,000
	Scope Exclusions	\$2,049,340	\$1,232,916	\$3,691,726	\$689,535	\$9,010,092	\$5,556,354	\$3,106,156	\$358,169
	<b>Basis for Total Facilities Grant</b>	<b>\$17,471,592</b>	<b>\$21,806,568</b>	<b>\$28,373,528</b>	<b>\$23,610,241</b>	<b>\$37,159,308</b>	<b>\$35,235,894</b>	<b>\$46,850,385</b>	<b>\$13,031,831</b>
	<b>Reimbursement Rate</b>	<b>40.00%</b>	<b>50.84%</b>	<b>62.07%</b>	<b>63.50%</b>	<b>54.76%</b>	<b>37.27%</b>	<b>44.80%</b>	<b>47.84%</b>
	<b>Maximum Facilities Grant</b>	<b>\$6,988,637</b>	<b>\$11,086,459</b>	<b>\$17,611,449</b>	<b>\$14,992,503</b>	<b>\$20,348,437</b>	<b>\$13,132,418</b>	<b>\$20,988,972</b>	<b>\$6,234,428</b>

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

**Estimated Construction & Total Project Budget Cost Data at Schematic Design [PRIOR TO JANUARY 1, 2014]  
Elementary Schools**

The information and data contained in this spreadsheet, for construction projects prior to January 1, 2014, is based on the MSBA's review of construction cost estimates, contracts and other documentation provided by cities, towns, and regional school districts. This information and data is intended for informational purposes only. The data may have changed based on actual construction bids or contract amendments, for example, and the MSBA shall have no responsibility or duty to update any of the information contained in this spreadsheet. Additionally, districts may refer to their district and school names using different titles than what is shown in this report. Please contact the Districts for the most current information. The MSBA hereby disclaims any and all liability and responsibility that may arise in connection with the information contained in this spreadsheet. This spreadsheet may include a preliminary review of scope exclusions but all costs identified are subject to review and audit by the MSBA and may not be eligible for reimbursement by the MSBA.

District	Marblehead	Marblehead *	Marshfield	Middleton	Nashoba	Needham	Newburyport	New Bedford	
School Name	Glover ES	Village ES	Governor Winslow ES	Howe-Manning ES	Center/Pompo ES	Newman ES	Bresnahan ES	John Hannigan ES	
Construction Type	New	Repair	Repair	New	Add/Reno	Repair	New	New	
Enrollment	425	734	1,310	553	600	754	660	400	
GSF	79,108	123,000	65,000	84,085	98,030	119,264	112,517	74,056	
Assumed Start of Construction	Jul-12	Dec-08	Jan-11	Mar-10	Jun-10	Jun-11	Jan-13		
OPM	Municipal Building Consultants, Inc.	Municipal Building Consultants, Inc.	RF Walsh Collaborative Partners	RF Walsh Collaborative Partners	Construction Monitoring Services, Inc.	Town of Needham	Heerie International, Inc.	Daedalus Projects, Inc.	
Designer	JCJ Architecture	Symmes Maini & McKee Associates	KBA	DINisco Design Partnership, Limited	Symmes Maini & McKee Associates	Drumme Rosane Anderson, Inc.	HMFH Architects	Turowski2 Architecture, Inc.	
Cost Estimator	PM&C	Keville Enterprises	PM&C	AM Fogarty	Daedalus Projects, Inc.	Cost Pro	PM&C	Project Mgmt & Cost	
Division	Description of Work		Total Costs						
A	Substructure	\$1,126,114			\$1,193,034	\$975,645	\$80,425	\$1,333,785	\$1,153,407
B	Shell	\$4,866,673	\$2,609,360	\$396,707	\$5,435,875	\$6,296,335	\$3,928,545	\$6,235,938	\$7,866,051
B10	Superstructure	\$1,503,612	\$143,129		\$2,308,556	\$1,571,169	\$2,110,138	\$2,513,617	\$2,760,205
B20	Exterior Enclosure	\$2,726,756	\$1,162,759		\$2,254,265	\$3,323,996	\$327,075	\$2,611,424	\$3,739,412
	B2010 Exterior Walls	-	-		-	-	\$327,075	\$1,989,416	\$0
	B2020 Exterior Windows	-	-		-	-	-	\$573,291	\$0
	B2030 Exterior Doors	-	-		-	-	-	\$48,717	\$0
B30	Roofing	\$636,305	\$1,303,472		\$873,054	\$1,401,170	\$1,491,332	\$1,110,897	\$1,366,434
C	Interiors	\$2,536,681	\$1,271,376	\$9,000	\$4,285,689	\$3,857,350	\$1,357,512	\$4,363,318	\$3,536,210
D	Services	\$5,092,501	\$5,790,037	\$1,049,396	\$5,159,545	\$6,384,371	\$6,130,967	\$7,231,568	\$6,538,702
	D10 Conveying	\$71,500	\$88,280		\$105,000	\$67,500	\$82,500	\$89,307	\$138,000
	D20 Plumbing	\$771,303	\$954,630		\$926,700	\$824,275	\$302,700	\$977,709	\$948,658
	D30 HVAC	\$2,254,578	\$2,314,503	\$999,446	\$2,309,945	\$2,781,778	\$3,638,580	\$2,993,386	\$2,847,476
	D40 Fire Protection	\$316,432			\$378,383	\$432,533	\$433,092	\$450,845	\$313,420
	D50 Electrical Utilities	\$1,678,688	\$2,432,624	\$49,950	\$1,753,517	\$2,278,285	\$1,674,095	\$2,720,321	\$2,291,148
E	Furnishings & Fixed Equipment	\$942,486	\$631,857		\$760,175	\$1,355,431	\$632,481	\$888,145	\$1,442,251
	Building Value Engineering								
	<b>Building Subtotal</b>	<b>\$14,564,455</b>	<b>\$10,302,630</b>	<b>\$1,455,103</b>	<b>\$16,834,318</b>	<b>\$18,869,132</b>	<b>\$12,129,930</b>	<b>\$20,052,754</b>	<b>\$20,536,621</b>
F	Special Construction & Demo	\$462,000	\$1,065,357	\$98,900	\$92,665	\$474,241	\$4,047,981	\$752,641	\$659,525
G	Other Site Construction	\$1,285,485	\$1,013,153		\$2,820,071	\$2,939,380	\$676,421	\$3,832,587	\$1,904,373
	G10 Site Preparation	\$299,924	-		\$839,031	\$589,005	\$285,913	\$395,110	\$218,250
	G20 Site Improvements	\$661,886	\$1,013,153		\$1,394,388	\$1,291,633	\$228,608	\$1,632,894	\$1,047,034
	G30 Mechanical Utilities	\$196,845	-		\$417,702	\$908,492	\$43,200	\$1,351,879	\$316,989
	G40 Electrical Utilities	\$126,830	-		\$168,950	\$150,250	\$118,700	\$452,704	\$322,100
	Other Site Construction								
	<b>Subtotal</b>	<b>\$16,311,940</b>	<b>\$12,381,140</b>	<b>\$1,554,003</b>	<b>\$19,747,054</b>	<b>\$22,282,753</b>	<b>\$16,854,332</b>	<b>\$24,637,982</b>	<b>\$23,100,519</b>
Z	Mark-Ups	\$3,072,463	\$2,468,100	\$268,065	\$3,696,677	\$5,352,318	\$4,466,452	\$5,033,094	\$5,994,446
Z	Insurance	\$203,899		\$19,425		\$222,828		\$153,329	\$326,297
Z	Subcontractor Bond	\$106,028	\$225,337	\$15,540	\$296,206	\$160,436		\$310,553	\$261,038
Z	Design & Pricing Contingency	\$1,294,462	\$432,502		\$1,116,368	\$2,228,275	\$1,685,433	\$1,693,048	\$2,310,067
Z	General Conditions	\$978,716	\$818,674	\$155,400	\$1,049,103	\$2,005,448	\$2,160,025	\$1,767,486	\$1,950,000
Z	Overhead & Profit / GMP Fee	\$489,358	\$991,587	\$77,700	\$1,235,000	\$735,331	\$620,994	\$851,053	\$1,147,044
Z	CM@Risk Contingency							\$257,625	
	<b>Construction Subtotal</b>	<b>\$19,384,403</b>	<b>\$14,849,240</b>	<b>\$1,822,068</b>	<b>\$23,443,731</b>	<b>\$27,635,071</b>	<b>\$21,320,784</b>	<b>\$29,671,076</b>	<b>\$29,094,965</b>
Z	Project Scope Adjustments								
Z	Escalation to Construction Mid-Point	\$815,597	\$576,670	\$46,620	\$937,749	\$1,381,531	\$600,000	\$1,446,365	\$697,767
	<b>Total Construction Cost</b>	<b>\$20,200,000</b>	<b>\$15,425,910</b>	<b>\$1,868,688</b>	<b>\$24,381,480</b>	<b>\$29,016,602</b>	<b>\$21,920,784</b>	<b>\$31,117,441</b>	<b>\$29,792,732</b>
	<b>Cost per Square Foot</b>	<b>\$255</b>	<b>\$125</b>	<b>\$29</b>	<b>\$290</b>	<b>\$296</b>	<b>\$184</b>	<b>\$277</b>	<b>\$402</b>
	Bid Alternates		\$464,915					\$250,000	\$0
	CM Preconstruction Services								\$0
	Construction Contingency	\$1,084,583			\$1,175,094	\$2,176,245	\$1,774,847	\$1,226,634	\$1,117,227
	Designer	\$2,324,207	\$1,705,876	\$281,000	\$2,386,600	\$3,226,200	\$2,172,000	\$2,200,469	\$3,440,738
	OPM & other Professional services	\$991,192	\$850,560	\$93,600	\$1,290,000	\$918,875	\$749,000	\$1,411,460	\$932,500
	FF&E/IT	\$1,020,000			\$1,327,200	\$2,186,724		\$1,584,000	\$960,000
	Legal Fees	\$15,000	\$25,000		\$40,000			\$10,000	\$0
	Other Soft Costs	\$42,624	\$562,445	\$15,100	\$228,000	\$232,000	\$130,000	\$768,200	\$429,000
	Owner's Contingency	\$222,394	\$1,589,082	\$141,612	\$604,360	\$623,857	\$665,500	\$250,000	\$75,000
	<b>Total Project Budget *****</b>	<b>\$25,900,000</b>	<b>\$20,623,788</b>	<b>\$2,400,000</b>	<b>\$31,392,734</b>	<b>\$38,420,503</b>	<b>\$27,412,131</b>	<b>\$38,818,204</b>	<b>\$36,747,197</b>
	Bid Alternates		\$464,915					\$250,000	\$0
	Ineligible Costs & Contingency	\$114,162	\$25,000			\$816,724	\$50,000		\$819,300
	Scope Exclusions	\$270,418	\$185,505		\$1,277,885	\$1,945,448	\$5,864,809	\$3,821,030	\$7,519,670
	<b>Basis for Total Facilities Grant</b>	<b>\$25,515,420</b>	<b>\$19,948,368</b>	<b>\$2,400,000</b>	<b>\$30,114,849</b>	<b>\$35,658,331</b>	<b>\$21,497,322</b>	<b>\$34,747,174</b>	<b>\$28,408,227</b>
	<b>Reimbursement Rate</b>	<b>40.00%</b>	<b>40.00%</b>	<b>46.37%</b>	<b>51.47%</b>	<b>50.85%</b>	<b>40.00%</b>	<b>52.78%</b>	<b>80.00%</b>
	<b>Maximum Facilities Grant</b>	<b>\$10,206,168</b>	<b>\$7,979,347</b>	<b>\$1,112,880</b>	<b>\$15,500,113</b>	<b>\$18,132,261</b>	<b>\$8,598,929</b>	<b>\$18,339,558</b>	<b>\$22,726,582</b>

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

\* Littleton & Marblehead - PS&B Agreement budget shown reflects a Maximum Facilities Grant Amount that is lower than the amount approved by the MSBA Board Vote.

**Estimated Construction & Total Project Budget Cost Data at Schematic Design [PRIOR TO JANUARY 1, 2014]  
Elementary Schools**

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District	Norfolk	Rochester	E. Somerville**	Southwick Tolland	Springfield	Springfield ***	Sturbridge	Webster	
School Name	Freeman-Centennial ES	Rochester Memorial ES	E. Somerville Community K-8	Woodland ES	Elias Brookings ES	Mary A. Dryden Memorial ES	Burgess ES	Park Avenue ES	
Construction Type	New	Add/Reno	Renovation	Add/Reno	New	Add/Reno	Add/Reno	New	
Enrollment	585	635	500	400	320	280	860	720	
GSF	96,410	105,596	121,071	67,800	64,800	40,900	131,630	109,067	
Assumed Start of Construction	Jul-10	Jun-10	Nov-10		Oct-13	Jun-12	Aug-10	Jun-13	
OPM	Joslin, Lesser & Associates, Inc.	PMA Consultants	City of Somerville	Strategic Building Solutions, LLC.	Arcadis U.S., Inc.	Arcadis U.S., Inc.	Lamoureux Pagano & Associates, Inc.	Hill International	
Designer	Flansburgh Associates, Inc.	Flansburgh Associates, Inc.	Maguire Group, Inc.	JCJ Architecture, PC	Drummey Rosane Anderson, Inc.	Drummey Rosane Anderson, Inc.	Drummey Rosane Anderson, Inc.	Dore & Whittier Architects	
Cost Estimator	Cost Pro	Cost Pro	Daedalus Projects, Inc.	AM Fogarty	Rider Levett Bucknall		Rider Levett Bucknall	PM&C	
Division	Description of Work		Total Costs						
A	Substructure	\$1,263,820	\$643,947	\$255,380	\$50,700	\$962,071	\$296,876	\$979,655	\$2,539,000
B	Shell	\$8,064,223	\$3,103,457	\$6,688,103	\$2,049,200	\$5,602,296	\$1,518,467	\$5,178,231	\$8,764,000
B10	Superstructure	\$2,852,181	\$2,249,369	\$2,086,022	\$110,000	\$1,926,506	\$464,304	\$1,819,918	\$3,160,000
B20	Exterior Enclosure	\$4,170,761	\$511,511	\$3,098,208	\$845,900	\$2,941,630	\$867,436	\$1,988,070	\$3,681,000
B2010	Exterior Walls	-	\$107,844	-	\$0	\$2,439,081	\$500,538	\$1,435,630	\$2,802,000
B2020	Exterior Windows	-	\$312,646	-	\$0	\$463,199	\$334,898	\$504,190	\$823,000
B2030	Exterior Doors	-	\$91,021	-	\$0	\$39,350	\$32,000	\$48,250	\$56,000
B30	Roofing	\$1,041,281	\$342,577	\$1,503,873	\$1,093,300	\$734,160	\$186,727	\$1,370,243	\$1,923,000
C	Interiors	\$3,062,623	\$2,186,067	\$4,072,359	\$319,935	\$3,203,892	\$1,676,810	\$4,494,629	\$4,474,000
D	Services	\$5,531,622	\$7,535,698	\$8,091,812	\$2,652,426	\$5,254,511	\$3,331,277	\$8,309,880	\$7,361,000
D10	Conveying	\$72,383	\$65,800	\$171,531	\$0	\$125,000	\$17,500	\$90,000	\$92,000
D20	Plumbing	\$627,609	\$1,446,756	\$928,493	\$328,726	\$547,123	\$537,663	\$835,920	\$1,059,000
D30	HVAC	\$2,410,250	\$3,309,450	\$3,653,768	\$1,172,800	\$2,025,376	\$1,227,272	\$3,761,640	\$3,166,000
D40	Fire Protection	\$438,666	\$475,182	\$551,212	\$287,300	\$244,475	\$191,400	\$487,620	\$429,000
D50	Electrical Utilities	\$1,982,714	\$2,238,510	\$2,786,808	\$863,600	\$2,312,537	\$1,357,442	\$3,134,700	\$2,615,000
E	Furnishings & Fixed Equipment	\$827,819	\$570,592	\$2,467,404	\$146,129	\$351,904	\$394,370	\$1,225,176	\$1,042,000
	Building Value Engineering								
	<b>Building Subtotal</b>	<b>\$18,750,107</b>	<b>\$14,039,761</b>	<b>\$21,575,058</b>	<b>\$5,218,390</b>	<b>\$15,374,674</b>	<b>\$7,217,800</b>	<b>\$20,187,571</b>	<b>\$24,180,000</b>
F	Special Construction & Demo	\$1,430,148	\$251,524	\$1,254,198	\$376,000	\$0	\$523,573	\$1,182,160	\$1,127,800
G	Other Site Construction	\$3,222,716	\$2,014,163	\$1,565,210	\$236,400	\$1,830,146	\$1,023,843	\$5,036,581	\$3,893,000
G10	Site Preparation	\$352,471	\$285,813	\$62,864	\$44,900	\$399,530	\$210,414	\$1,791,989	\$843,000
G20	Site Improvements	\$1,066,943	\$1,312,050	\$1,050,186	\$86,250	\$824,085	\$571,975	\$2,344,592	\$1,848,000
G30	Mechanical Utilities	\$1,546,558	\$274,600	\$452,160	\$87,650	\$466,531	\$194,100	\$700,000	\$925,000
G40	Electrical Utilities	\$256,744	\$141,700		\$17,600	\$140,000	\$47,354	\$200,000	\$277,000
	Other Site Construction			-\$2,000,000					\$0
	<b>Subtotal</b>	<b>\$23,402,971</b>	<b>\$16,305,448</b>	<b>\$22,394,466</b>	<b>\$5,830,790</b>	<b>\$17,204,820</b>	<b>\$8,765,216</b>	<b>\$26,406,312</b>	<b>\$29,200,800</b>
Z	Mark-Ups	\$4,837,395	\$3,707,000	\$4,884,508	\$1,150,442	\$4,382,230	\$1,805,969	\$8,348,864	\$5,439,651
Z	Insurance							\$431,743	\$304,009
Z	Subcontractor Bond			\$237,381	\$116,614	\$402,811	\$0	\$0	\$228,007
Z	Design & Pricing Contingency	\$2,567,306	\$1,354,000	\$560,000	\$634,650	\$1,615,168	\$213,880	\$3,159,561	\$2,131,658
Z	General Conditions	\$1,567,275	\$1,770,000	\$1,119,723	\$224,257	\$1,630,373	\$1,230,662	\$3,296,829	\$1,800,000
Z	Overhead & Profit / GMP Fee	\$702,814	\$583,000	\$2,407,404	\$174,921	\$338,965	\$158,437	\$1,460,731	\$975,977
Z	CM@Risk Contingency			\$560,000	\$0	\$394,913	\$202,990		
	<b>Construction Subtotal</b>	<b>\$28,240,366</b>	<b>\$20,012,448</b>	<b>\$27,278,974</b>	<b>\$6,981,232</b>	<b>\$21,587,050</b>	<b>\$10,571,185</b>	<b>\$34,755,176</b>	<b>\$34,640,451</b>
Z	Project Scope Adjustments								
Z	Escalation to Construction Mid-Point	\$700,361	\$530,000	\$291,128	\$346,772	\$1,146,344	\$149,716	\$1,737,759	\$1,200,114
	<b>Total Construction Cost</b>	<b>\$28,940,727</b>	<b>\$20,542,448</b>	<b>\$27,570,102</b>	<b>\$7,328,004</b>	<b>\$22,733,394</b>	<b>\$10,720,901</b>	<b>\$36,492,935</b>	<b>\$35,840,565</b>
	<b>Cost per Square Foot</b>	<b>\$300</b>	<b>\$195</b>	<b>\$228</b>	<b>\$108</b>	<b>\$351</b>	<b>\$262</b>	<b>\$277</b>	<b>\$329</b>
	Bid Alternates				\$0			\$15,000	
	CM Preconstruction Services		\$200,000	\$100,000	\$0	\$90,000	\$75,000	\$32,000	
	Construction Contingency	\$1,736,444	\$1,150,000	\$1,120,100	\$366,400	\$1,326,000	\$1,072,090	\$1,824,647	\$1,792,028
	Designer	\$3,000,409	\$1,704,398	\$2,735,403	\$860,449	\$1,932,950	\$983,375	\$3,642,904	\$4,321,448
	OPM & other Professional services	\$1,390,450	\$639,850	\$926,841	\$489,851	\$906,656	\$522,500	\$1,339,464	\$1,375,000
	FF&E/IT	\$1,755,000	\$1,400,000	\$1,397,320	\$0	\$768,000	\$672,000	\$2,029,848	\$1,728,000
	Legal Fees	\$30,000	\$30,000	\$0	\$0	\$0	\$0	\$50,000	\$30,000
	Other Soft Costs	\$323,000	\$152,000	\$70,000	\$210,300	\$90,000	\$90,000	\$137,000	\$1,584,000
	Owner's Contingency	\$400,000	\$678,304	\$862,812	\$400,000	\$53,000	\$261,276	\$1,362,834	\$128,959
	<b>Total Project Budget *****</b>	<b>\$37,546,030</b>	<b>\$26,497,000</b>	<b>\$34,782,578</b>	<b>\$9,655,004</b>	<b>\$27,900,000</b>	<b>\$14,397,142</b>	<b>\$46,926,632</b>	<b>\$46,800,000</b>
	Bid Alternates							\$15,000	
	Ineligible Costs & Contingency	\$2,917,538	\$75,000	\$10,286,690	\$0	\$1,036,585	\$2,939,350	\$152,000	
	Scope Exclusions	\$2,125,398	\$1,156,292	\$5,403,539	\$318,032	\$4,923,394	\$797,794	\$4,914,876	\$6,622,096
	<b>Basis for Total Facilities Grant</b>	<b>\$32,503,094</b>	<b>\$25,265,708</b>	<b>\$19,092,349</b>	<b>\$9,336,972</b>	<b>\$21,940,021</b>	<b>\$10,659,998</b>	<b>\$41,844,756</b>	<b>\$40,177,904</b>
	Reimbursement Rate	53.16%	57.94%	80.00%	55.63%	80.00%	80.00%	57.92%	76.86%
	Maximum Facilities Grant	\$17,278,645	\$14,638,951	\$15,273,879	\$5,194,157	\$17,552,016	\$8,527,998	\$24,236,483	\$30,880,737

\*\*\*\*\* Total Project Budget Value includes the cost of Alternates.  
 \*\* Somerville - Ineligible Total includes \$10,023,433. Remaining Insurance Proceeds.  
 \*\*\* Springfield - Ineligible Total includes \$2,939,350; the value of third party funding.

**Estimated Construction & Total Project Budget Cost Data at Schematic Design [PRIOR TO JANUARY 1, 2014]  
Elementary Schools**

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District	Westfield	Weston	Williamsburg	Winchester ****	Woburn	TOTAL  ALL ELEMENTARY SCHOOLS	
School Name	Abner Gibbs ES	Field ES	Anne T. Dunphy ES	Vinson Owen ES	Goodyear ES		
Construction Type	New	New	Add/Reno	New	New		
Enrollment	600	355	170	420	320		
GSF	95,573	65,390	37,859	74,774	67,277		
Assumed Start of Construction	Feb-12	Oct-12	Mar-13	Jan-12	Feb-10		
OPM	Skanska US Buildings Inc.	Compass Project Management	Archadis	RF Walsh Collaborative Partners	Municipal Building Consultants, Inc.		
Designer	Margo Jones Architects	Jonathan Levi Architects LLD	Drumme Rosane Anderson, Inc.	Tappe Associates, Inc.	Tappe Associates, Inc.		
Cost Estimator	PM&C	PM&C	Cost Pro	AM Fogarty	PM&C		
Division	Description of Work	Total Costs					Total Costs
A	Substructure	\$1,025,532	\$1,584,797	\$467,224	\$1,447,554	\$802,179	\$32,915,509
B	Shell	\$7,802,495	\$4,919,320	\$1,840,146	\$4,974,833	\$5,626,282	\$185,383,796
B10	Superstructure	\$2,185,629	\$1,668,247	\$715,014	\$1,736,241	\$2,052,613	\$62,154,043
B20	Exterior Enclosure	\$3,708,544	\$1,939,781	\$790,152	\$2,421,127	\$2,770,903	\$85,656,884
	B2010 Exterior Walls	-	-	-	-	\$2,036,322	\$23,488,910
	B2020 Exterior Windows	-	-	-	-	\$669,550	\$8,001,366
	B2030 Exterior Doors	-	-	-	-	\$65,031	\$930,486
B30	Roofing	\$1,908,322	\$1,311,292	\$334,980	\$817,465	\$802,766	\$36,586,162
C	Interiors	\$4,085,549	\$2,465,855	\$951,820	\$3,424,097	\$2,695,398	\$108,648,734
D	Services	\$6,123,760	\$4,651,105	\$2,838,931	\$5,034,688	\$3,871,787	\$202,797,935
	D10 Conveying	\$91,500	\$71,800	\$15,416	\$81,500	\$81,500	\$3,128,914
	D20 Plumbing	\$857,866	\$720,083	\$366,372	\$840,695	\$529,925	\$25,930,318
	D30 HVAC	\$2,639,354	\$2,072,938	\$1,466,933	\$1,928,871	\$1,606,670	\$87,005,866
	D40 Fire Protection	\$338,303	\$253,650	\$187,061	\$303,609	\$266,400	\$11,755,915
	D50 Electrical Utilities	\$2,196,737	\$1,532,634	\$803,149	\$1,880,013	\$1,387,292	\$69,868,177
E	Furnishings & Fixed Equipment	\$1,369,164	\$743,395	\$342,363	\$677,185	\$756,506	\$31,093,444
	Building Value Engineering						-\$1,002,456
	<b>Building Subtotal</b>	<b>\$20,406,500</b>	<b>\$14,364,472</b>	<b>\$6,440,484</b>	<b>\$15,558,357</b>	<b>\$13,752,152</b>	<b>\$559,836,962</b>
F	Special Construction & Demo	\$658,515	\$970,325	\$396,091	\$416,375	\$535,904	\$26,379,889
G	Other Site Construction	\$1,807,404	\$1,306,000	\$1,030,193	\$2,058,548	\$1,424,895	\$83,594,017
	G10 Site Preparation	\$239,961	\$350,000	\$163,674	\$265,008	\$253,353	\$19,146,037
	G20 Site Improvements	\$879,038	\$450,000	\$580,280	\$1,144,754	\$855,173	\$38,754,819
	G30 Mechanical Utilities	\$500,405	\$410,000	\$202,684	\$454,576	\$257,719	\$19,119,751
	G40 Electrical Utilities	\$188,000	\$96,000	\$83,555	\$194,210	\$58,650	\$5,470,842
	Other Site Construction						-\$2,030,729
	<b>Subtotal</b>	<b>\$22,872,419</b>	<b>\$16,640,797</b>	<b>\$7,866,768</b>	<b>\$18,033,280</b>	<b>\$15,712,951</b>	<b>\$667,810,868</b>
Z	Mark-Ups	\$4,160,157	\$3,847,940	\$1,465,786	\$3,271,687	\$3,435,083	\$147,541,603
Z	Insurance	\$224,479	\$208,010		\$225,416	\$366,180	\$5,141,417
Z	Subcontractor Bond	\$145,911	\$108,165	\$126,338	\$117,216		\$4,963,060
Z	Design & Pricing Contingency	\$1,320,498	\$1,331,264	\$642,364	\$1,486,393	\$1,305,637	\$53,644,314
Z	General Conditions	\$1,795,832	\$1,534,869	\$697,084	\$901,664	\$1,097,632	\$49,072,612
Z	Overhead & Profit / GMP Fee	\$673,437	\$665,632		\$540,998	\$665,634	\$29,692,166
Z	CM@Risk Contingency						\$5,028,034
	<b>Construction Subtotal</b>	<b>\$27,032,576</b>	<b>\$20,488,737</b>	<b>\$9,332,554</b>	<b>\$21,304,967</b>	<b>\$19,148,034</b>	<b>\$815,352,471</b>
Z	Project Scope Adjustments						\$219,719
Z	Escalation to Construction Mid-Point	\$1,122,395	\$998,448	\$220,973	\$426,099	\$795,530	\$28,925,849
	<b>Total Construction Cost</b>	<b>\$28,154,971</b>	<b>\$21,487,185</b>	<b>\$9,553,527</b>	<b>\$21,731,066</b>	<b>\$19,943,564</b>	<b>\$844,498,039</b>
	<b>Cost per Square Foot</b>	<b>\$295</b>	<b>\$329</b>	<b>\$252</b>	<b>\$291</b>	<b>\$296</b>	
	Bid Alternates	\$400,000	\$3,183,788				\$4,822,979
	CM Preconstruction Services					\$50,000	\$1,168,000
	Construction Contingency	\$1,409,049	\$1,172,000	\$716,515	\$869,243	\$1,099,907	\$42,560,073
	Designer	\$1,883,905	\$2,791,426	\$1,391,576	\$2,476,600	\$2,112,650	\$90,063,704
	OPM & other Professional services	\$1,009,420	\$1,033,247	\$575,000	\$513,600	\$884,085	\$34,060,588
	FF&E/IT	\$1,440,000	\$1,127,500	\$408,000	\$1,008,000	\$862,100	\$39,166,117
	Legal Fees	\$50,000	\$50,000	\$10,000			\$526,570
	Other Soft Costs	\$225,000	\$259,000	\$78,000	\$1,767,000	\$1,290,000	\$16,571,866
	Owner's Contingency	\$1,409,049	\$400,000	\$191,071	\$331,399	\$262,048	\$16,227,805
	<b>Total Project Budget *****</b>	<b>\$35,931,394</b>	<b>\$31,504,146</b>	<b>\$12,923,689</b>	<b>\$28,696,908</b>	<b>\$26,504,354</b>	<b>\$1,089,665,741</b>
	Bid Alternates	\$400,000	\$3,183,788				\$4,822,979
	Ineligible Costs & Contingency	\$502,142	\$575,171		\$67,483	\$5,000	\$32,010,063
	Scope Exclusions	\$905,419	\$2,816,693	\$822,261	\$2,630,768	\$2,123,585	\$96,976,843
	<b>Basis for Total Facilities Grant</b>	<b>\$34,123,833</b>	<b>\$24,928,494</b>	<b>\$12,101,428</b>	<b>\$25,998,657</b>	<b>\$24,375,769</b>	<b>\$955,855,856</b>
	<b>Reimbursement Rate</b>	<b>67.98%</b>	<b>34.54%</b>	<b>61.86%</b>	<b>40.00%</b>	<b>54.21%</b>	
	<b>Maximum Facilities Grant</b>	<b>\$23,197,382</b>	<b>\$8,610,302</b>	<b>\$7,485,572</b>	<b>\$10,399,463</b>	<b>\$13,214,104</b>	<b>\$512,478,475</b>

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

\*\*\*\* Winchester Vinson Owen ES - The Total Project Budget and Basis for Total Facilities Grant values given do not include the estimated cost of Alternates (\$ 223,099.).

**Estimated Construction & Total Project Budget Cost Data at Schematic Design [PRIOR TO JANUARY 1, 2014]  
Middle Schools**

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District	Burlington	Fall River	Hingham	Hudson	Medway	Newburyport	
School Name	Marshall Simonds Middle School	Morton Middle School	Hingham Middle School	JFK Middle School	Medway Middle School	Rupert Nock Middle School	
Construction Type	Add/Reno	New	New	New	Repair	Reno	
Enrollment	880	625	618	715	800	845	
GSF	151,000	130,600	176,385	118,846	223,780	161,500	
Assumed Start of Construction	Mar-11	May-11	May-12	Oct-11	Sep-11	Mar-13	
OPM	Construction Monitoring Services	MaguireGroup, Inc.	Knight, Bagge & Anderson, Inc.	PMA Consultants	Compass project Management, Inc.	HEERY	
Designer	Knight, Bagge & Anderson, Inc.	Mt. Vernon Group Architects	Ai3 Architects, LLC	The Office of Michael Rosenfeld, Inc.	KBA	Miller Dyer Spear	
Cost Estimator	Carbone Estimating Group	Tarbell Construction Management Services	AM Fogarty	DG Jones	Tarbell Construction Management, Inc.	Ellana Construction Cost Consultants	
Division #	Description of Work	Total Costs					
A	Substructure	\$859,771	\$1,428,953	\$2,953,849	\$1,719,704	\$280,544	\$15,000
B	Shell	\$4,175,998	\$9,693,837	\$12,374,390	\$7,616,423	\$3,028,146	\$2,516,920
	B10 Superstructure	\$579,884	\$3,243,065	\$4,470,070	\$3,100,000	\$618,760	\$162,298
	B20 Exterior Enclosure	\$2,078,460	\$4,931,911	\$6,188,525	\$3,116,423	\$2,184,731	\$1,138,812
	B2010 Exterior Walls	\$1,709,910					
	B2020 Exterior Windows	\$319,150				\$2,184,731	
	B2030 Exterior Doors	\$49,400					
	B30 Roofing	\$1,517,654	\$1,518,861	\$1,715,795	\$1,400,000	\$224,655	\$1,215,810
C	Interiors	\$3,448,065	\$5,892,557	\$9,565,282	\$5,291,970	\$2,188,431	\$2,253,453
D	Services	\$9,333,744	\$9,440,037	\$11,221,848	\$7,920,000	\$7,281,750	\$7,297,418
	D10 Conveying	\$104,150	\$400,000	\$106,460	\$95,000	\$254,000	\$10,000
	D20 Plumbing	\$942,824	\$1,316,462	\$1,589,200	\$1,100,000	\$476,000	\$570,244
	D30 HVAC	\$4,648,620	\$3,813,108	\$4,409,625	\$3,800,000	\$2,024,000	\$3,570,339
	D40 Fire Protection	\$729,345	\$475,657	\$714,360	\$525,000	\$828,750	\$743,040
	D50 Electrical Utilities	\$2,908,805	\$3,434,810	\$4,402,203	\$2,400,000	\$3,699,000	\$2,403,795
E	Furnishings & Fixed Equipment	\$1,105,598	\$1,910,765	\$1,891,620	\$1,470,000	\$106,593	\$847,835
	Building Value Engineering						\$0
	<b>Building Subtotal</b>	<b>\$18,923,176</b>	<b>\$28,366,149</b>	<b>\$38,006,989</b>	<b>\$24,018,097</b>	<b>\$12,885,464</b>	<b>\$12,930,626</b>
F	Special Construction & Demo	\$1,166,000	\$1,705,000	\$1,128,136	\$1,185,000	\$1,332,663	\$1,518,030
G	Other Site Construction	\$734,135	\$4,081,433	\$3,867,461	\$3,897,146	\$371,064	\$114,296
	G10 Site Preparation	\$155,499	\$829,150	\$951,463	\$1,180,296		\$19,422
	G20 Site Improvements	\$281,371	\$2,099,583	\$1,697,337	\$1,600,000	\$371,064	\$86,813
	G30 Mechanical Utilities	\$265,137	\$873,700	\$937,561	\$1,000,000		\$8,061
	G40 Electrical Utilities	\$32,128	\$279,000	\$281,100	\$116,850		\$0
	Other Site Construction						\$0
	<b>Subtotal</b>	<b>\$20,823,311</b>	<b>\$34,152,582</b>	<b>\$43,002,586</b>	<b>\$29,100,243</b>	<b>\$14,589,191</b>	<b>\$14,562,952</b>
Z	Mark-Ups	\$3,370,273	\$7,105,447	\$5,709,750	\$5,020,000	\$3,287,040	\$6,228,669
Z	Insurance	\$229,893	\$796,438	\$279,517	\$500,000	\$330,259	\$407,835
Z	Subcontractor Bond	\$330,982	\$0	\$430,026	\$220,000		\$183,493
Z	Design & Pricing Contingency	\$624,699	\$2,049,155	\$2,150,129	\$1,700,000		\$2,585,098
Z	General Conditions	\$1,560,000	\$2,959,854	\$1,560,000	\$1,700,000	\$1,977,939	\$1,245,264
Z	Overhead & Profit / GMP Fee	\$624,699	\$1,300,000	\$1,290,078	\$900,000	\$437,486	\$507,113
Z	CM at Risk Contingency					\$541,356	\$1,299,866
	<b>Construction Subtotal</b>	<b>\$24,193,584</b>	<b>\$41,258,029</b>	<b>\$48,712,336</b>	<b>\$34,120,243</b>	<b>\$17,876,231</b>	<b>\$20,791,621</b>
Z	Project Scope Adjustments						
Z	Escalation to Construction Mid-Point	\$489,702	\$1,200,000	\$1,720,103	\$700,000		\$1,039,581
	<b>Total Construction Cost</b>	<b>\$24,683,286</b>	<b>\$42,458,029</b>	<b>\$50,432,439</b>	<b>\$34,820,243</b>	<b>\$17,876,231</b>	<b>\$21,831,202</b>
	<b>Cost per Square Foot</b>	<b>\$163</b>	<b>\$325</b>	<b>\$286</b>	<b>\$293</b>	<b>\$80</b>	<b>\$135</b>
	Bid Alternates			\$500,000		\$335,593	
	CM Preconstruction Services					\$78,000	\$100,000
	Construction Contingency	\$1,851,246	\$1,300,000	\$2,521,622	\$1,500,000	\$885,364	\$1,091,560
	Designer	\$2,589,500	\$5,345,000	\$3,150,519	\$3,784,020	\$1,502,766	\$1,879,838
	OPM & other Professional services	\$750,800	\$1,210,000	\$1,403,340	\$1,173,599	\$1,188,957	\$1,128,056
	FF&E/IT	\$2,313,000	\$1,500,000	\$2,448,000	\$1,716,000		\$525,000
	Legal Fees	\$40,000	\$100,000	\$50,000	\$30,000	\$25,000	\$15,000
	Other Soft Costs	\$20,000	\$250,000	\$305,000	\$329,500	\$144,380	\$260,750
	Owner's Contingency	\$617,667	\$1,100,000	\$100,000	\$750,000	\$74,529	\$165,920
	<b>Total Project Budget ***</b>	<b>\$32,865,499</b>	<b>\$53,263,029</b>	<b>\$60,910,920</b>	<b>\$44,103,362</b>	<b>\$22,110,820</b>	<b>\$26,997,326</b>
	Bid Alternates			\$500,000		\$335,593	
	Ineligible Costs & Contingency	\$923,178	\$503,910	\$1,279,516	\$427,903	\$465,771	
	Scope Exclusions	\$201,000	\$4,944,362	\$71,500	\$2,258,482	\$925,559	\$1,527,013
	<b>Basis for Total Facilities Grant</b>	<b>\$31,741,321</b>	<b>\$47,814,757</b>	<b>\$59,059,904</b>	<b>\$41,416,977</b>	<b>\$20,383,897</b>	<b>\$25,470,313</b>
	Reimbursement Rate	54.01%	80.00%	43.87%	58.11%	50.79%	53.78%
	<b>Maximum Facilities Grant</b>	<b>\$17,143,487</b>	<b>\$38,251,806</b>	<b>\$25,909,580</b>	<b>\$24,067,405</b>	<b>\$10,352,981</b>	<b>\$13,697,934</b>

**Estimated Construction & Total Project Budget Cost Data at Schematic Design [PRIOR TO JANUARY 2015]  
Middle Schools**

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District	Oxford	Quincy	Saugus	Sharon	Shrewsbury	Southwick Tolland	Stoneham	Wakefield	TOTAL	
School Name	Oxford Middle School	Central Middle School	Belmonte Middle School	Sharon Middle School	Sherwood Middle School	Powder Mill Middle School	Stoneham Middle School	Galvin Middle School		
Construction Type	Repair	New	Repair	Add/Reno	New	Repair	Add/Reno	New		
Enrollment	652	600	725	845	900	545	775	1,070		
GSF	117,000	114,975	160,000	171,286	129,378	95,775	136,410	187,773		
Assumed Start of Construction	Jun-12	Oct-11	May-12	Jun-10	Feb-10		Oct-12	Apr-13		
OPM	Diversified Project Management	Tishman Construction Corp	Skanska USA Buildings, Inc.	Daedalus Projects, Inc.	PMA Consultants	Strategic Building Solutions, LLC	Joslin, Lesser & Associates	Joslin, Lesser & Associates		
Designer	CGKV Architects	Ai3 Architects, LLC	Feltcher Thompson Architecture Engineering	Kaestle Boos Associates, Inc.	Lamoureux Pagano & Associates, Inc.	JCJ Architecture, PC	Tappe Associates, Inc.	Tappe Associates, Inc.		
Cost Estimator	AM Fogarty	PM&C	VJ Associates	Coast & Harbor Associates	AM Fogarty	Strategic Building Solutions, LLC	PM&C	PM&C		
Division #	Description of Work	Total Costs							Total Costs	
A	Substructure		\$1,416,015		\$464,422	\$1,565,463	\$116,900	\$2,423,432	\$4,431,770	\$17,675,823
B	Shell	\$2,608,243	\$9,009,329	\$3,531,252	\$6,575,574	\$7,057,858	\$3,316,000	\$6,207,623	\$12,950,633	\$90,662,226
B10	Superstructure		\$2,728,485		\$1,027,381	\$2,801,264	\$2,126,200	\$2,363,584	\$5,521,317	\$28,742,308
B20	Exterior Enclosure	\$1,145,634	\$5,167,205	\$2,141,250	\$4,644,045	\$3,486,265	\$1,189,800	\$2,758,332	\$5,392,021	\$45,563,414
B2010	Exterior Walls						\$2,578,733		\$3,983,264	\$8,271,907
B2020	Exterior Windows	\$1,145,634				\$857,582			\$1,324,342	\$5,831,439
B2030	Exterior Doors					\$49,950	\$1,189,800		\$84,415	\$1,373,565
B30	Roofing	\$1,462,609	\$1,113,639	\$1,390,002	\$904,148	\$770,329		\$1,085,707	\$2,037,295	\$16,356,504
C	Interiors	\$292,430	\$5,531,708	\$962,797	\$4,174,085	\$4,916,102	\$679,296	\$3,860,570	\$8,432,635	\$57,489,381
D	Services	\$2,184,544	\$8,852,552	\$6,090,358	\$8,344,083	\$8,049,434	\$5,757,000	\$7,360,075	\$13,132,405	\$112,265,248
D10	Conveying		\$91,238	\$229,200	\$125,000	\$71,500	\$89,400	\$71,500	\$193,000	\$1,896,448
D20	Plumbing		\$1,288,633	\$706,808	\$1,381,567	\$1,244,228	\$750,800	\$1,021,518	\$1,765,616	\$14,153,900
D30	HVAC	\$2,184,544	\$3,919,779	\$1,713,298	\$3,016,569	\$3,414,597	\$2,602,800	\$3,420,267	\$5,389,168	\$47,926,714
D40	Fire Protection		\$437,905	\$608,262	\$761,573	\$558,007	\$453,900	\$349,585	\$741,400	\$7,926,784
D50	Electrical Utilities		\$3,114,997	\$2,832,790	\$3,059,374	\$2,705,102	\$1,860,100	\$2,497,205	\$5,043,221	\$40,361,402
E	Furnishings & Fixed Equipment		\$1,730,498	\$57,000	\$2,064,282	\$1,495,668	\$551,154	\$1,357,575	\$2,221,585	\$16,810,173
	Building Value Engineering		-\$2,100,000							-\$2,100,000
	<b>Building Subtotal</b>	<b>\$5,085,217</b>	<b>\$24,440,102</b>	<b>\$10,641,407</b>	<b>\$21,622,446</b>	<b>\$23,084,525</b>	<b>\$10,420,350</b>	<b>\$21,209,275</b>	<b>\$41,169,028</b>	<b>\$292,802,851</b>
F	Special Construction & Demo		\$1,202,451	\$1,655,349	\$851,985	\$1,106,000	\$995,400	\$1,694,598	\$1,901,580	\$17,442,192
G	Other Site Construction	\$0	\$3,135,346	\$282,626	\$3,813,775	\$3,196,971	\$334,980	\$2,720,878	\$4,503,316	\$31,053,427
G10	Site Preparation		\$362,973	\$50,000	\$245,205	\$912,549	\$35,226	\$648,344	\$636,508	\$6,026,635
G20	Site Improvements		\$2,191,679	\$182,850	\$1,905,089	\$1,696,029	\$235,654	\$1,233,509	\$2,938,671	\$16,519,649
G30	Mechanical Utilities		\$402,744	\$49,776	\$1,317,551	\$441,793	\$44,300	\$561,775	\$711,337	\$6,723,735
G40	Electrical Utilities		\$177,950		\$345,930	\$36,600	\$19,800	\$277,250	\$216,800	\$1,783,408
	Other Site Construction		-\$874,000							-\$874,000
	<b>Subtotal</b>	<b>\$5,085,217</b>	<b>\$27,903,899</b>	<b>\$12,579,382</b>	<b>\$26,288,206</b>	<b>\$27,387,496</b>	<b>\$11,750,730</b>	<b>\$25,624,751</b>	<b>\$47,573,924</b>	<b>\$340,424,470</b>
Z	Mark-Ups	\$0	\$4,279,062	\$2,675,000	\$7,059,537	\$7,542,087	\$2,297,335	\$5,670,620	\$10,755,442	\$71,000,262
Z	Insurance		\$188,351	\$125,000	\$236,594	\$314,682	\$242,939	\$320,309	\$594,674	\$4,566,491
Z	Subcontractor Bond		\$223,231	\$350,000	\$289,170	\$410,812	\$166,561	\$309,231	\$309,231	\$2,913,506
Z	Design & Pricing Contingency		\$1,395,195	\$500,000	\$1,971,615	\$3,146,669	\$1,446,124	\$2,562,475	\$5,432,417	\$25,563,576
Z	General Conditions		\$1,604,474	\$1,000,000	\$2,984,866	\$2,191,000	\$243,816	\$2,049,980	\$3,467,642	\$24,544,835
Z	Overhead & Profit / GMP Fee		\$867,811	\$400,000	\$788,646	\$1,478,924	\$364,456	\$571,295	\$951,478	\$10,481,986
Z	CM at Risk Contingency			\$300,000	\$788,646					\$2,929,868
	<b>Construction Subtotal</b>	<b>\$5,085,217</b>	<b>\$32,182,961</b>	<b>\$15,254,382</b>	<b>\$33,347,743</b>	<b>\$34,929,583</b>	<b>\$14,048,065</b>	<b>\$31,295,371</b>	<b>\$58,329,366</b>	<b>\$411,424,732</b>
Z	Project Scope Adjustments				\$3,831,763					\$3,831,763
Z	Escalation to Construction Mid-Point		\$424,139	\$458,248	\$1,333,910	\$2,095,775	\$699,521	\$732,868	\$1,427,218	\$12,321,065
	<b>Total Construction Cost</b>	<b>\$5,085,217</b>	<b>\$32,607,100</b>	<b>\$15,712,630</b>	<b>\$38,513,416</b>	<b>\$37,025,358</b>	<b>\$14,747,586</b>	<b>\$32,028,239</b>	<b>\$59,756,584</b>	<b>\$427,577,560</b>
	<b>Cost per Square Foot</b>	<b>\$43</b>	<b>\$284</b>	<b>\$98</b>	<b>\$225</b>	<b>\$286</b>	<b>\$154</b>	<b>\$235</b>	<b>\$318</b>	
	Bid Alternates	\$709,298		\$1,339,835	\$311,100					\$3,195,826
	CM Preconstruction Services			\$75,000	\$150,000	\$370,000		\$120,000	\$140,000	\$1,033,000
	Construction Contingency	\$151,880	\$2,170,679	\$700,000	\$2,449,493	\$1,851,268	\$737,368	\$1,601,501	\$3,024,326	\$21,836,307
	Designer	\$660,040	\$2,961,393	\$1,551,800	\$4,178,682	\$3,177,000	\$1,375,446	\$3,147,650	\$5,488,400	\$40,792,054
	OPM & other Professional services	\$175,422	\$1,386,729	\$598,200	\$1,090,631	\$1,515,410	\$585,000	\$1,225,000	\$1,958,000	\$15,389,144
	FF&E/IT		\$1,488,000		\$2,160,000		\$50,000	\$1,860,000	\$2,568,000	\$18,692,400
	Legal Fees		\$10,000		\$10,000	\$75,000				\$355,000
	Other Soft Costs	\$11,200	\$7,639,474	\$50,000	\$531,565	\$330,000	\$235,500	\$200,000	\$285,000	\$10,592,369
	Owner's Contingency	\$45,111	\$1,736,889	\$250,000	\$241,000	\$762,741	\$750,000	\$400,000	\$400,000	\$7,733,857
	<b>Total Project Budget ***</b>	<b>\$6,838,168</b>	<b>\$50,000,264</b>	<b>\$20,277,465</b>	<b>\$49,540,287</b>	<b>\$47,266,777</b>	<b>\$18,480,900</b>	<b>\$40,582,390</b>	<b>\$73,960,310</b>	<b>\$547,197,517</b>
	Bid Alternates	\$709,298		\$1,339,835	\$311,100					\$3,195,826
	Ineligible Costs & Contingency	\$95,636	\$7,722,021		\$2,552,065	\$216,415	\$1,487,368			\$15,673,783
	Scope Exclusions		\$1,032,216		\$2,726,782	\$2,068,710	\$723,464	\$1,649,424	\$10,507,637	\$28,636,149
	<b>Basis for Total Facilities Grant</b>	<b>\$6,033,234</b>	<b>\$41,246,027</b>	<b>\$18,937,630</b>	<b>\$43,950,340</b>	<b>\$44,981,652</b>	<b>\$16,270,068</b>	<b>\$38,932,966</b>	<b>\$63,452,673</b>	<b>\$499,691,759</b>
	<b>Reimbursement Rate</b>	<b>57.74%</b>	<b>80.00%</b>	<b>53.32%</b>	<b>52.68%</b>	<b>53.16%</b>	<b>55.63%</b>	<b>57.50%</b>	<b>54.67%</b>	
	<b>Maximum Facilities Grant</b>	<b>\$3,483,589</b>	<b>\$32,996,822</b>	<b>\$10,097,544</b>	<b>\$23,153,039</b>	<b>\$23,912,246</b>	<b>\$9,051,039</b>	<b>\$22,386,455</b>	<b>\$34,689,576</b>	<b>\$289,193,505</b>



**Estimated Construction & Total Project Budget Cost Data at Schematic Design [PRIOR TO JANUARY 1, 2014]  
Middle/High Schools**

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District	Adams Chesire	Berlin-Boylston	Duxbury	North Reading	Rockland	Southbridge	Sutton	West Bridgewater	TOTAL ALL MIDDLE/HIGH	
School Name	Hoosac Valley Middle/High School	Tahanto Regional Middle/High School	Duxbury Model Middle/High School	North Reading Middle/High School	John W Rogers Middle/High School	Southbridge MS/HS	Sutton Middle/High School	West Bridgewater Middle/High School		
Construction Type	Add/Reno	New	New	Add/Reno	Add/Reno	New	Add/Reno	New		
Enrollment	805	560	1,735	1,370	1,525	1,050	840	625		
GSF	174,000	126,100	322,105	267,939	273,695	199,784	175,132	141,250		
Assumed Start of Construction	Jun-11	Apr-10	Jun-12	May-12	Sep-10	Sep-10	Jun-11	Sep-13		
OPM	URS Corporation	PMA Consultants	KV Associates	PMA Consultants	Daedalus Projects	Joslin, Lesser & Associates	Strategic Building Solutions	Strategic Building Solutions		
Designer	Tessier Associates	HMFH Architects	Mt. Vernon Group	Dore & Whittier Architects	Dore & Whittier Architects	Tappe Associates	Flansburgh Associates	Flansburgh Associates		
Cost Estimator	MPR Consulting Assoc.	PM&C	Tarbell Construction Mgmt.	PM&C	PM&C	PM&C	Cost Pro	PM&C		
Division #	Description of Work								Total Costs	
A	Substructure	\$229,132	\$1,298,297	\$4,108,377	\$3,364,009	\$1,312,788	\$1,918,679	\$2,414,650	\$2,300,300	\$16,946,232
B	Shell	\$2,920,994	\$9,302,187	\$21,590,571	\$18,374,404	\$12,065,229	\$9,638,991	\$10,269,200	\$98,803,537	\$34,036,891
B10	Superstructure	\$3,199,883	\$770,579	\$8,084,649	\$6,645,217	\$3,781,296	\$4,886,967	\$3,534,000	\$3,134,300	\$46,453,901
B20	Exterior Enclosure	\$1,900,198	\$4,755,533	\$9,550,022	\$7,302,961	\$7,884,355	\$5,491,775	\$4,660,657	\$4,908,400	\$13,371,963
B2010	Exterior Walls	-	\$3,573,121	-	-	\$3,170,655	\$3,496,387	-	\$3,131,800	\$9,111,423
B2020	Exterior Windows	-	\$1,015,372	-	-	\$4,545,200	\$1,922,551	-	\$1,628,300	\$556,677
B2030	Exterior Doors	-	\$167,040	-	-	\$168,500	\$72,837	-	\$148,300	\$2,226,500
B30	Roofing	\$250,217	\$1,346,771	\$3,955,900	\$4,426,226	\$2,976,310	\$1,686,487	\$1,444,334	\$2,226,500	\$18,312,745
C	Interiors	\$3,396,259	\$4,685,854	\$16,745,536	\$11,883,651	\$11,271,766	\$9,290,185	\$6,327,100	\$6,446,700	\$70,047,051
D	Services	\$8,936,740	\$8,106,803	\$20,303,066	\$18,307,939	\$17,765,998	\$15,142,967	\$9,899,892	\$10,924,900	\$109,388,295
D10	Conveying	\$12,320	\$81,300	\$256,000	\$366,109	\$102,500	\$115,700	\$115,700	\$133,200	\$1,230,129
D20	Plumbing	\$1,163,223	\$998,575	\$2,427,210	\$2,720,000	\$2,420,055	\$2,435,470	\$1,238,150	\$1,611,700	\$15,014,383
D30	HVAC	\$2,707,678	\$3,489,195	\$8,647,730	\$7,621,858	\$8,986,371	\$5,927,365	\$4,090,093	\$4,705,900	\$44,176,190
D40	Fire Protection	\$922,356	\$476,245	\$1,101,287	\$1,099,972	\$1,096,878	\$1,318,050	\$918,550	\$589,800	\$7,523,138
D50	Electrical Utilities	\$4,131,163	\$3,061,488	\$7,870,829	\$6,500,000	\$7,160,194	\$5,299,082	\$3,537,399	\$3,884,300	\$41,444,455
E	Furnishings & Fixed Equipment	\$2,977,401	\$1,680,760	\$4,192,480	\$4,431,442	\$2,194,686	\$2,285,835	\$1,467,932	\$2,189,700	\$21,420,236
	Building Value Engineering	-	-	-	-	-	-	-	-	\$0
	<b>Building Subtotal</b>	<b>\$18,460,526</b>	<b>\$25,073,901</b>	<b>\$66,940,020</b>	<b>\$56,361,445</b>	<b>\$47,187,199</b>	<b>\$40,702,895</b>	<b>\$29,748,565</b>	<b>\$32,130,800</b>	<b>\$316,605,351</b>
F	Special Construction & Demo	\$1,225,017	\$1,180,128	\$4,936,770	\$4,210,254	\$2,688,344	\$3,235,459	\$2,278,517	\$2,278,517	\$19,754,489
G	Other Site Construction	\$3,185,759	\$4,238,206	\$6,256,809	\$6,973,787	\$3,062,346	\$8,719,779	\$2,640,150	\$5,594,700	\$40,671,636
G10	Site Preparation	\$194,757	\$743,501	\$1,487,028	\$1,576,333	\$285,398	\$3,098,230	\$435,950	\$668,900	\$8,490,097
G20	Site Improvements	\$2,467,760	\$2,643,555	\$2,851,621	\$3,700,000	\$1,992,698	\$2,823,868	\$1,375,300	\$3,301,800	\$21,156,602
G30	Mechanical Utilities	\$332,025	\$610,300	\$1,189,260	\$961,004	\$515,000	\$2,016,629	\$659,100	\$1,053,900	\$7,337,218
G40	Electrical Utilities	\$191,217	\$240,850	\$729,000	\$736,450	\$269,250	\$781,052	\$169,800	\$570,100	\$3,687,719
	Other Site Construction	-	\$2,300,000	\$2,300,000	\$2,300,000	\$2,300,000	\$2,300,000	\$2,300,000	\$2,300,000	\$2,300,000
	<b>Subtotal</b>	<b>\$22,871,302</b>	<b>\$30,492,235</b>	<b>\$78,133,699</b>	<b>\$69,845,486</b>	<b>\$52,937,889</b>	<b>\$49,422,674</b>	<b>\$35,624,174</b>	<b>\$40,004,017</b>	<b>\$379,331,476</b>
Z	Mark-Ups	\$5,785,834	\$5,716,216	\$17,708,073	\$13,469,602	\$11,654,793	\$9,562,823	\$8,529,600	\$7,355,749	\$79,782,690
Z	Insurance	-	\$381,153	\$1,842,403	\$700,109	\$600,316	\$247,113	\$280,400	\$430,700	\$4,482,194
Z	Subcontractor Bond	-	\$198,200	-	\$525,083	\$371,624	\$296,536	\$471,600	\$348,000	\$2,211,043
Z	Design & Pricing Contingency	\$2,363,475	\$2,124,234	\$5,860,027	\$3,102,500	\$4,235,031	\$4,942,267	\$3,624,800	\$3,436,449	\$29,688,783
Z	General Conditions	-	\$1,792,940	\$5,645,000	\$4,732,634	\$2,100,000	\$2,758,000	\$2,090,000	\$19,118,574	\$20,082,253
Z	Overhead & Profit/GMP Fee	\$3,422,359	\$1,219,689	\$7,905,800	\$1,396,910	\$1,715,188	\$1,976,907	\$1,394,800	\$2,082,253	\$4,199,843
Z	GMP Contingency	-	\$2,099,843	\$2,100,000	\$2,100,000	\$2,100,000	\$2,100,000	\$2,100,000	\$2,100,000	\$4,199,843
	<b>Construction Subtotal</b>	<b>\$28,657,136</b>	<b>\$36,208,451</b>	<b>\$95,841,772</b>	<b>\$83,315,088</b>	<b>\$64,592,682</b>	<b>\$58,985,497</b>	<b>\$44,153,774</b>	<b>\$47,359,766</b>	<b>\$459,114,166</b>
	Project Scope Adjustments	-	-\$3,247,743	-	-	-	-	\$400,000	-	-\$2,847,743
Z	Escalation to Construction Mid-Point	\$1,418,085	\$1,219,689	\$3,354,462	\$3,000,199	\$1,933,106	\$1,179,710	\$1,802,900	\$2,368,000	\$16,276,151
	<b>Total Construction Cost</b>	<b>\$30,075,221</b>	<b>\$34,180,397</b>	<b>\$99,196,234</b>	<b>\$86,315,287</b>	<b>\$66,525,788</b>	<b>\$60,165,207</b>	<b>\$46,356,674</b>	<b>\$49,727,766</b>	<b>\$472,542,574</b>
	<b>Cost per Square Foot</b>	<b>\$173</b>	<b>\$271</b>	<b>\$308</b>	<b>\$322</b>	<b>\$243</b>	<b>\$301</b>	<b>\$265</b>	<b>\$352</b>	
Bid Alternates		\$700,000	\$700,000	\$5,315,427	\$5,315,427	\$2,469,674	\$2,469,674	\$2,469,674	\$2,469,674	\$8,485,101
CM Preconstruction Services	\$100,000	\$100,000	\$200,000	\$250,000	\$200,000	\$200,000	\$100,000	\$100,000	\$100,000	\$950,000
Construction Contingency	\$3,007,522	\$1,714,020	\$5,242,000	\$5,242,000	\$2,790,000	\$4,003,542	\$3,035,655	\$2,650,000	\$2,500,000	\$24,942,739
Designer	\$3,120,580	\$3,800,790	\$7,822,500	\$10,437,023	\$7,360,241	\$5,209,192	\$4,781,900	\$5,413,342	\$47,945,568	\$16,647,549
OPM & other Professional services	\$1,035,714	\$1,416,290	\$3,295,000	\$2,469,750	\$2,020,000	\$1,852,350	\$2,360,300	\$2,198,145	\$2,198,145	\$16,647,549
FF&E/IT	\$1,850,000	\$1,344,000	\$5,810,000	\$3,288,000	\$3,680,000	\$2,520,000	\$2,066,000	\$1,500,000	\$1,500,000	\$22,038,000
Legal Fees	\$10,000	\$25,000	\$50,000	\$50,000	\$30,000	\$30,000	\$30,000	\$15,000	\$15,000	\$180,000
Other Soft Costs	\$762,220	\$270,000	\$625,000	\$624,244	\$1,065,000	\$624,244	\$425,000	\$880,600	\$580,000	\$5,232,064
Owner's Contingency	\$600,000	\$404,404	\$800,000	\$1,502,770	\$1,336,878	\$740,000	\$740,000	\$850,000	\$1,800,000	\$8,034,052
	<b>Total Project Budget ***</b>	<b>\$40,561,257</b>	<b>\$43,954,901</b>	<b>\$128,356,161</b>	<b>\$107,727,074</b>	<b>\$86,201,449</b>	<b>\$76,517,078</b>	<b>\$59,945,474</b>	<b>\$63,734,253</b>	<b>\$606,997,647</b>
Bid Alternates		\$700,000	\$700,000	\$5,315,427	\$5,315,427	\$2,469,674	\$2,469,674	\$2,469,674	\$2,469,674	\$8,485,101
Ineligible Costs & Contingency	\$272,995	\$355,043	\$2,337,139	\$2,337,139	\$430,000	\$200,000	\$4,058,292	\$4,058,292	\$4,058,292	\$7,653,469
Scope Exclusions	\$4,250,070	\$2,297,003	\$6,796,002	\$11,935,420	\$2,738,953	\$6,651,106	\$2,008,302	\$9,552,614	\$9,552,614	\$46,229,470
	<b>Basis for Total Facilities Grant</b>	<b>\$36,038,192</b>	<b>\$40,602,855</b>	<b>\$113,907,593</b>	<b>\$95,791,654</b>	<b>\$83,032,496</b>	<b>\$67,196,298</b>	<b>\$53,878,880</b>	<b>\$54,181,639</b>	<b>\$544,629,607</b>
	Reimbursement Rate	78.37%	52.21%	44.13%	51.49%	64.26%	80.00%	55.39%	54.16%	\$46,229,470
	<b>Maximum Facilities Grant</b>	<b>\$28,243,131</b>	<b>\$21,198,751</b>	<b>\$50,267,421</b>	<b>\$49,323,123</b>	<b>\$53,356,682</b>	<b>\$53,757,038</b>	<b>\$29,843,512</b>	<b>\$29,344,776</b>	<b>\$315,334,433</b>

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

**Estimated Construction & Total Project Cost Data at Schematic Design [PRIOR TO JANUARY 1, 2014]  
High Schools**

The information and data contained in this spreadsheet, for construction projects prior to January 1, 2014, is based on the MSBA's review of construction cost estimates, contracts and other documentation provided by cities, towns, and regional school districts. This information and data is intended for informational purposes only. The data may have changed based on actual construction bids or contract amendments, for example, and the MSBA shall have no responsibility or duty to update any of the information contained in this spreadsheet. Additionally, districts may refer to their district and school names using different titles than what is shown in this report. Please contact the Districts for the most current information. The MSBA hereby disclaims any and all liability and responsibility that may arise in connection with the information contained in this spreadsheet. This spreadsheet may include a preliminary review of scope exclusions but all costs identified are subject to review and audit by the MSBA and may not be eligible for reimbursement by the MSBA.

District	Assebet Valley	Ayer Shirley	Concord Carlisle	Danvers *	Dracut	East Bridgewater	Easthampton	
School Name	Assebet Valley Regional High School	Ayer Shirley High School	Concord Carlisle High School	Danvers High School	Dracut High School	East Bridgewater Jr./Sr. High School	Easthampton High School	
Construction Type	Repair	Add/Reno	New	Add/Reno	Add/Reno	New	New	
Enrolment	1,000	495	1,225	1,000	1,160	950	510	
GSF	367,565	144,072	219,871	251,153	226,844	211,484	109,572	
Assumed Start of Construction	Apr-13	Mar-13	Feb-13	Jul-10	Mar-12	Oct-11	May-11	
OPM	Strategic Building Solutions, LLC	Dore & Whittier	KV Associates	Construction Monitoring Services, Inc.	Hill International	Hill International	Strategic Building Solutions, LLC	
Designer	Design Partnership of Cambridge	SMMA	OMR Architects, Inc.	DINisco Design Partnership, Limited	Mt Vernon Group Architects	Ai3 Architects LLC	Caolo & Bieniek Associates, Inc.	
Cost Estimator	Essential Estimating	AM Fogarty, Inc.	DG Jones International, Inc.	AM Fogarty	Tarbell Construction Management, Inc.	PM&C	AM Fogarty	
Division #	Description of Work	Total Costs						
A	Substructure	\$195,650	\$1,730,956	\$2,961,466	\$1,571,958	\$1,199,389	\$2,692,036	\$2,550,000
B	Shell	\$7,609,800	\$8,079,170	\$14,349,718	\$13,032,372	\$9,598,776	\$14,255,921	\$7,788,000
B10	Superstructure	\$112,600	\$1,846,917	\$7,355,111	\$2,821,679	\$1,719,274	\$5,219,666	\$2,578,000
B20	Exterior Enclosure	\$2,166,800	\$3,435,148	\$4,760,995	\$7,074,559	\$4,857,519	\$6,816,892	\$3,600,000
B2010	Exterior Walls	-	\$1,967,790	-	-	-	-	-
B2020	Exterior Windows	-	\$1,305,282	-	-	-	-	-
B2030	Exterior Doors	-	\$162,076	-	-	-	-	-
B30	Roofing	\$5,330,400	\$2,797,105	\$2,233,612	\$3,136,134	\$3,021,983	\$2,219,363	\$1,610,000
C	Interiors	\$5,368,650	\$6,228,130	\$11,095,796	\$10,314,616	\$7,049,789	\$12,089,372	\$4,790,000
D	Services	\$22,151,900	\$9,704,591	\$16,498,137	\$15,830,907	\$11,572,256	\$14,663,642	\$7,495,200
D10	Conveying	\$56,800	\$194,750	\$321,676	\$187,900	\$200,850	\$87,593	\$95,000
D20	Plumbing	\$2,170,000	\$1,247,897	\$2,341,463	\$1,552,397	\$1,350,166	\$2,367,369	\$995,000
D30	HVAC	\$12,002,150	\$4,214,753	\$8,328,296	\$7,842,736	\$4,875,291	\$5,915,591	\$3,400,200
D40	Fire Protection	\$1,418,000	\$691,906	\$904,146	\$1,130,189	\$880,789	\$747,544	\$425,000
D50	Electrical Utilities	\$6,504,950	\$3,355,285	\$4,602,556	\$5,117,705	\$4,265,160	\$5,545,545	\$2,580,000
E	Furnishings & Fixed Equipment	\$795,000	\$2,054,362	\$2,657,430	\$2,103,261	\$2,685,461	\$1,518,423	\$1,740,000
	Building Value Engineering							
	<b>Building Subtotal</b>	<b>\$36,121,000</b>	<b>\$27,797,209</b>	<b>\$47,562,547</b>	<b>\$42,853,114</b>	<b>\$32,105,671</b>	<b>\$45,219,394</b>	<b>\$24,363,200</b>
F	Special Construction & Demo	\$1,620,350	\$1,795,874	\$3,210,300	\$2,805,451	\$1,533,913	\$1,139,526	\$812,349
G	Other Site Construction	\$466,450	\$3,352,485	\$5,816,317	\$3,780,930	\$3,320,001	\$6,787,095	\$2,150,000
G10	Site Preparation	\$94,550	\$620,316	\$1,984,940	\$990,758	\$794,035	\$842,471	\$325,000
G20	Site Improvements	\$257,900	\$1,583,860	\$1,838,084	\$1,995,146	\$1,769,108	\$3,919,463	\$915,000
G30	Mechanical Utilities	\$80,950	\$614,787	\$1,330,734	\$648,676	\$1,362,461	\$1,362,461	\$750,000
G40	Electrical Utilities	\$33,050	\$533,522	\$662,559	\$146,350	\$249,593	\$662,700	\$160,000
	Other Site Construction							
	<b>Subtotal</b>	<b>\$38,207,800</b>	<b>\$32,945,568</b>	<b>\$56,589,164</b>	<b>\$49,439,495</b>	<b>\$36,959,585</b>	<b>\$53,146,015</b>	<b>\$27,325,549</b>
Z	Mark-Ups	\$8,758,600	\$9,963,084	\$12,795,230	\$10,901,150	\$9,181,237	\$5,417,225	\$5,580,810
Z	Insurance	\$382,100	\$1,094,622	\$1,244,259	\$817,794	\$917,636	\$273,016	\$240,665
Z	Subcontractor Bond	\$382,100	\$0	\$0	\$817,794	\$0	\$462,358	\$269,812
Z	Design & Pricing Contingency	\$3,056,600	\$3,294,557	\$4,499,990	\$5,533,739	\$4,194,620	\$1,650,930	\$1,950,000
Z	General Conditions	\$3,249,000	\$3,404,443	\$2,452,710	\$2,452,710	\$2,847,247	\$1,950,000	\$2,100,000
Z	Overhead & Profit / GMP Fee	\$1,688,800	\$1,082,258	\$5,675,270	\$2,096,907	\$1,221,734	\$1,080,921	\$1,020,333
Z	GMP Contingency		\$1,087,204	\$1,375,711				
	<b>Construction Subtotal</b>	<b>\$46,966,400</b>	<b>\$42,908,652</b>	<b>\$69,384,394</b>	<b>\$60,340,645</b>	<b>\$46,140,822</b>	<b>\$58,563,240</b>	<b>\$32,906,359</b>
	Project Scope Adjustments							-\$415,000
Z	Escalation to Construction Mid-Point	\$3,788,900	\$1,463,924	\$1,980,621	\$2,434,845	\$1,149,789	\$1,756,897	\$972,456
	<b>Total Construction Cost</b>	<b>\$50,755,300</b>	<b>\$44,372,576</b>	<b>\$71,365,015</b>	<b>\$62,775,490</b>	<b>\$47,290,611</b>	<b>\$60,320,137</b>	<b>\$33,463,815</b>
	<b>Cost per Square Foot</b>	<b>\$138</b>	<b>\$308</b>	<b>\$325</b>	<b>\$250</b>	<b>\$208</b>	<b>\$285</b>	<b>\$305</b>
	Bid Alternates		\$144,000	\$3,626,614			\$5,225,679	\$500,000
	CM Pre-Construction Services		\$157,500	\$200,000				
	Construction Contingency	\$3,537,765	\$2,700,000	\$3,700,000	\$4,708,162	\$2,364,531	\$2,714,406	\$1,711,200
	Designer	\$5,093,045	\$5,037,555	\$7,625,395	\$6,154,813	\$5,222,500	\$3,538,531	\$3,294,364
	OPM & other Professional services	\$1,895,586	\$1,645,301	\$2,421,500	\$1,942,707	\$1,972,500	\$2,078,000	\$1,439,029
	FF&E/IT	\$24,000	\$1,796,833	\$2,940,000	\$2,877,144	\$2,940,000	\$2,530,000	\$1,224,000
	Legal Fees	\$15,000	\$25,000	\$25,000	\$60,000	\$30,000	\$50,000	\$15,000
	Other Soft Costs	\$591,133	\$165,000	\$150,000	\$503,000	\$266,000	\$391,000	\$332,500
	Owner's Contingency	\$522,659	\$500,000	\$525,000	\$822,416	\$484,500	\$301,601	\$1,711,200
	<b>Total Project Budget ***</b>	<b>\$62,434,488</b>	<b>\$56,543,765</b>	<b>\$92,578,524</b>	<b>\$79,843,732</b>	<b>\$60,570,642</b>	<b>\$77,149,354</b>	<b>\$43,691,108</b>
	Bid Alternates		\$144,000	\$3,626,614			\$5,225,679	\$500,000
	Ineligible Costs & Contingency	\$543,136		\$579,221	\$3,898,250	\$145,000	\$634,670	\$427,385
	Scope Exclusions		\$3,482,051	\$7,481,458	\$1,251,242	\$1,870,707	\$4,585,753	\$2,114,678
	<b>Basis for Total Facilities Grant</b>	<b>\$61,891,352</b>	<b>\$52,917,714</b>	<b>\$80,891,231</b>	<b>\$74,694,240</b>	<b>\$58,554,935</b>	<b>\$66,703,252</b>	<b>\$40,649,045</b>
	<b>Reimbursement Rate</b>	<b>53.48%</b>	<b>70.25%</b>	<b>34.58%</b>	<b>56.11%</b>	<b>62.50%</b>	<b>64.94%</b>	<b>62.84%</b>
	<b>Maximum Facilities Grant</b>	<b>\$33,099,495</b>	<b>\$37,174,694</b>	<b>\$27,972,188</b>	<b>\$41,910,938</b>	<b>\$36,596,834</b>	<b>\$43,317,092</b>	<b>\$25,543,860</b>

\* PS&B Agreement budget shown reflects a Maximum Facilities Grant Amount that is lower than the amount approved by the MSBA Board Vote.

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

**Estimated Construction & Total Project Cost Data at Schematic Design [PRIOR TO JANUARY 1, 2014]  
High Schools**

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District	Essex Agr Tech	Foxborough	Franklin	Grafton	Greater New Bedford	Greenfield	Hampden-Wilbraham	
School Name	Essex Agr Tech Inst	Foxborough High School	Franklin High School	Grafton Memorial Sr. High School	Greater New Bedford VTHS	Greenfield HS	Minnechaug Regional High School	
Construction Type	New	Repair	New	New	Add/Reno	New	New	
Enrolment	1,440	885	1,650	900	2,060	585	1,225	
GSF	337,000	218,500	306,543	186,351	487,530	160,650	231,467	
Assumed Start of Construction	Mar-12	Nov-09	Oct-12	Jul-10	Aug-13	Jan-13	May-10	
OPM	PMA Construction Services	Construction Monitoring Services, Inc.	Daedalus Projects, Inc.	Joslin, Lesser & Associates, Inc.	Construction Monitoring Services	Construction Monitoring Services	Arcadis U.S., Inc.	
Designer	Design Partnership of Cambridge, Inc.	Kaestle Boos Associates, Inc.	Ai3 Architects LLC	Symmes Maini & McKee Associates	Drumrey Rosane Anderson INC	Dore & Whittier	Mount Vernon Group Architects, Inc.	
Cost Estimator	AM Fogarty	Keville Enterprises	PM&C	Keville Enterprises, Inc.	AM Fogarty, Inc.	PM&C	Essential Design & Estimating	
Division #	Description of Work	Total Costs						
A	Substructure	\$3,665,279		\$3,531,705	\$1,867,468	\$501,078	\$2,083,400	\$2,681,711
B	Shell	\$22,519,231	\$3,381,020	\$21,299,390	\$13,513,534	\$1,861,820	\$11,401,529	\$15,800,709
B10	Superstructure	\$10,730,690	\$2,367,000	\$9,251,663	\$5,111,777	\$678,212	\$4,651,217	\$6,696,388
B20	Exterior Enclosure	\$8,744,249	\$979,350	\$9,282,035	\$6,672,512	\$919,768	\$4,764,082	\$6,423,942
B2010	Exterior Walls	\$6,521,483	-	\$6,521,483	\$4,549,518	\$0	\$3,561,160	\$5,135,122
B2020	Exterior Windows	\$1,822,769	\$979,350	\$1,822,769	\$2,060,244	\$0	\$1,080,342	\$1,118,270
B2030	Exterior Doors	\$399,997	-	\$399,997	\$62,750	\$0	\$122,580	\$170,550
B30	Roofing	\$3,044,292	\$34,670	\$2,765,692	\$1,729,245	\$263,840	\$1,986,230	\$2,680,379
C	Interiors	\$13,141,814	\$2,025,730	\$14,022,675	\$8,940,687	\$1,457,903	\$7,255,121	\$10,323,743
D	Services	\$24,476,212	\$7,576,850	\$20,430,944	\$12,545,910	\$5,130,675	\$11,188,815	\$17,132,710
D10	Conveying	\$632,068	\$58,000	\$197,475	\$105,000	\$120,000	\$82,100	\$77,700
D20	Plumbing	\$3,358,330	\$1,047,020	\$3,065,430	\$1,471,910	\$392,125	\$1,518,324	\$2,974,351
D30	HVAC	\$10,746,656	\$5,159,800	\$8,275,661	\$5,687,035	\$2,925,750	\$4,485,562	\$7,468,651
D40	Fire Protection	\$1,847,082		\$1,847,082	\$887,775	\$107,550	\$652,820	\$972,161
D50	Electrical Utilities	\$7,892,076	\$1,312,030	\$7,665,206	\$4,394,190	\$1,585,250	\$4,450,009	\$5,639,847
E	Furnishings & Fixed Equipment	\$4,467,734	\$88,500	\$3,492,902	\$2,350,183	\$676,365	\$2,813,781	\$2,257,434
	Building Value Engineering							
	<b>Building Subtotal</b>	<b>\$68,270,270</b>	<b>\$13,072,100</b>	<b>\$62,777,616</b>	<b>\$39,217,782</b>	<b>\$9,627,841</b>	<b>\$34,742,646</b>	<b>\$48,196,307</b>
F	Special Construction & Demo	\$6,272,341	\$849,000	\$2,775,200	\$336,632	\$208,550	\$2,155,053	\$3,100,000
G	Other Site Construction	\$4,080,471	\$37,500	\$10,093,906	\$6,872,598	\$387,930	\$4,648,787	\$5,416,700
G10	Site Preparation		\$10,000	\$1,539,344	\$1,726,515	\$69,649	\$526,923	\$1,066,200
G20	Site Improvements	\$2,873,934	\$27,500	\$5,520,988	\$3,547,657	\$145,902	\$2,969,077	\$3,015,500
G30	Mechanical Utilities	\$876,537		\$1,863,574	\$1,326,298	\$148,277	\$927,787	\$1,335,000
G40	Electrical Utilities	\$330,000		\$1,170,000	\$272,128	\$24,102	\$225,000	
	Other Site Construction	\$2,500,000				\$136,438		
	<b>Subtotal</b>	<b>\$81,123,082</b>	<b>\$13,958,600</b>	<b>\$75,646,722</b>	<b>\$46,427,012</b>	<b>\$10,360,759</b>	<b>\$41,546,486</b>	<b>\$56,713,007</b>
Z	Mark-Ups	\$9,145,492	\$2,417,900	\$10,968,774	\$9,396,335	\$3,319,088	\$10,141,187	\$8,537,082
Z	Insurance		\$146,600	\$983,407		\$526,148	\$525,758	
Z	Subcontractor Bond	\$102,600		\$529,527	\$696,405	\$170,953	\$377,489	
Z	Design & Pricing Contingency		\$697,900	\$3,025,869	\$5,074,850	\$1,036,076	\$2,936,023	\$2,959,528
Z	General Conditions	\$5,840,862	\$738,000	\$4,538,803	\$1,768,000	\$1,080,000	\$3,774,887	\$2,758,956
Z	Overhead & Profit / GMP Fee	\$3,304,630	\$732,800	\$1,891,168	\$1,857,080	\$505,911	\$1,048,580	\$2,818,598
Z	GMP Contingency						\$1,478,450	
	<b>Construction Subtotal</b>	<b>\$90,268,574</b>	<b>\$16,376,500</b>	<b>\$86,615,496</b>	<b>\$55,823,347</b>	<b>\$13,679,847</b>	<b>\$51,687,673</b>	<b>\$65,250,089</b>
	Project Scope Adjustments							
Z	Escalation to Construction Mid-Point	\$9,216,421		\$1,299,232	\$1,621,644	\$0	\$1,248,921	\$1,243,002
	<b>Total Construction Cost</b>	<b>\$99,484,995</b>	<b>\$16,376,500</b>	<b>\$87,914,728</b>	<b>\$57,444,991</b>	<b>\$13,679,847</b>	<b>\$52,936,594</b>	<b>\$66,493,091</b>
	<b>Cost per Square Foot</b>	<b>\$295</b>	<b>\$75</b>	<b>\$287</b>	<b>\$308</b>	<b>\$28</b>	<b>\$330</b>	<b>\$287</b>
	Bid Alternates				\$853,279		\$551,330	
	CM Pre-Construction Services	\$137,529		\$100,000			\$125,000	
	Construction Contingency	\$4,974,250	\$1,310,000	\$3,516,589	\$2,872,250	\$800,048	\$2,081,534	\$1,000,127
	Designer	\$9,881,140	\$1,590,500	\$4,322,464	\$5,275,000	\$1,395,500	\$5,977,319	\$2,840,000
	OPM & other Professional services	\$3,592,086	\$532,200	\$2,058,595	\$1,713,536	\$645,000	\$2,021,846	\$1,448,809
	FF&E/IT	\$6,180,000	\$24,000	\$5,280,000	\$3,240,000	\$300,000	\$1,404,000	\$3,569,284
	Legal Fees	\$100,000		\$100,000		\$25,000	\$30,000	
	Other Soft Costs	\$650,000	\$160,000	\$457,500	\$237,964	\$45,000	\$365,000	\$575,000
	Owner's Contingency			\$1,000,000	\$700,000	\$209,413	\$832,614	\$3,060,347
	<b>Total Project Budget ***</b>	<b>\$125,000,000</b>	<b>\$19,993,200</b>	<b>\$104,649,876</b>	<b>\$72,437,020</b>	<b>\$17,099,808</b>	<b>\$66,325,237</b>	<b>\$78,986,658</b>
	Bid Alternates				\$853,279		\$551,330	
	Ineligible Costs & Contingency	\$400,000						
	Scope Exclusions	\$4,222,086	\$956,015	\$8,469,295	\$7,278,466	\$169,908	\$10,116,655	\$2,190,279
	<b>Basis for Total Facilities Grant</b>	<b>\$120,377,914</b>	<b>\$19,037,185</b>	<b>\$96,180,581</b>	<b>\$64,305,275</b>	<b>\$16,929,900</b>	<b>\$55,657,252</b>	<b>\$76,796,379</b>
	<b>Reimbursement Rate</b>	<b>62.00%</b>	<b>49.31%</b>	<b>59.52%</b>	<b>56.89%</b>	<b>80.00%</b>	<b>80.00%</b>	<b>61.73%</b>
	<b>Maximum Facilities Grant</b>	<b>\$74,634,307</b>	<b>\$9,387,236</b>	<b>\$57,246,682</b>	<b>\$36,583,271</b>	<b>\$13,543,920</b>	<b>\$44,525,802</b>	<b>\$47,406,405</b>

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

**Estimated Construction & Total Project Cost Data at Schematic Design [PRIOR TO JANUARY 1, 2014]  
High Schools**

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District	Hanover *	Leominster	Longmeadow	Lynnfield	Marshfield	Maynard	Methuen	
School Name	Hanover High School	Leominster Sr. High School	Longmeadow High School	Lynnfield High School	Marshfield High School	Maynard High School	Methuen High School	
Construction Type	New	Add/Reno	New	Addition	New	New	Add/Reno	
Enrollment	800	1,825	1,000	740	1,310	410	2,075	
GSF	156,582	295,859	236,410	143,605	267,469	121,097	368,864	
Assumed Start of Construction	Nov-09	Jun-11	Aug-09	Apr-12	Aug-12	Jul-11	Feb-12	
OPM	PMA Consultants	Daedalus Projects, Inc.	Joslin, Lesser & Associates, Inc.	Heery International, Inc.	Compass Proj. Mgmt.	Municipal Buiding Consultants, Inc.	KBA / Trident	
Designer	HMFH Architects	Lamoureux Pagano & Associates, Inc.	The Office of Michael Rosenfeld, Inc.	Edward Rowse Architects, Inc.	Ai3 Architects LLC	Tappe Associates, Inc.	Finegold Alexander & Associates, Inc.	
Cost Estimator	PM&C	AM Fogarty, Inc.	DG Jones	VJ Associates	PM&C	PM&C	Faithful & Gould	
Division #	Description of Work	Total Costs						
A	Substructure	\$1,717,169	\$211,000	\$2,611,339	\$196,154	\$3,232,419	\$1,437,352	\$2,229,931
B	Shell	\$10,567,339	\$3,726,000	\$11,913,236	\$748,077	\$18,239,253	\$8,465,058	\$12,600,104
B10	Superstructure	\$5,044,143	\$810,000	\$4,695,522	\$185,840	\$6,941,238	\$2,812,915	\$4,378,711
B20	Exterior Enclosure	\$4,082,566	\$2,053,000	\$5,060,468	\$433,319	\$8,676,215	\$4,053,604	\$4,533,920
B2010	Exterior Walls	\$2,825,192	-	\$3,542,226	-	-	-	-
B2020	Exterior Windows	\$1,195,334	-	\$1,433,338	-	-	-	-
B2030	Exterior Doors	\$62,040	-	\$84,904	-	-	-	-
B30	Roofing	\$1,440,630	\$863,000	\$2,157,246	\$128,918	\$2,621,800	\$1,598,539	\$3,687,473
C	Interiors	\$6,977,737	\$3,863,000	\$9,032,217	\$527,032	\$15,128,468	\$5,144,503	\$14,858,535
D	Services	\$11,136,882	\$14,112,000	\$14,797,518	\$629,372	\$18,623,499	\$8,237,860	\$26,278,775
D10	Conveying	\$81,200	\$98,000	\$78,079	\$0	\$197,850	\$143,000	\$322,400
D20	Plumbing	\$1,255,655	\$1,562,000	\$2,003,687	\$178,150	\$2,946,820	\$1,116,057	\$3,931,142
D30	HVAC	\$5,242,597	\$5,509,000	\$6,906,465	\$228,250	\$7,466,464	\$3,557,189	\$12,371,523
D40	Fire Protection	\$1,193,000	\$1,063,178	\$46,272	\$46,272	\$1,109,064	\$480,923	\$1,388,502
D50	Electrical Utilities	\$4,557,430	\$5,750,000	\$4,746,109	\$176,700	\$6,903,301	\$2,940,691	\$8,265,208
E	Furnishings & Fixed Equipment	\$1,086,338	\$943,000	\$2,614,465	\$162,112	\$1,803,957	\$1,635,005	\$2,216,390
	Building Value Engineering							
	<b>Building Subtotal</b>	<b>\$31,485,465</b>	<b>\$22,855,000</b>	<b>\$40,968,775</b>	<b>\$2,262,747</b>	<b>\$57,027,596</b>	<b>\$24,919,778</b>	<b>\$58,183,735</b>
F	Special Construction & Demo	\$963,425	\$969,750	\$3,369,822	\$7,628	\$2,225,611	\$744,900	\$2,914,306
G	Other Site Construction	\$5,455,634	\$1,503,000	\$5,239,914	\$48,316	\$9,241,284	\$3,569,510	\$2,591,675
G10	Site Preparation	\$527,293	\$155,000	\$1,488,114	\$31,874	\$1,505,332	\$844,704	\$192,029
G20	Site Improvements	\$3,460,031	\$844,000	\$2,444,590		\$4,824,716	\$1,282,366	\$1,519,873
G30	Mechanical Utilities	\$759,010	\$413,000	\$1,080,704	\$16,442	\$1,992,936	\$964,190	\$667,973
G40	Electrical Utilities	\$709,300	\$91,000	\$226,506		\$918,300	\$478,250	\$211,800
	<b>Other Site Construction</b>							
	<b>Subtotal</b>	<b>\$37,904,524</b>	<b>\$25,327,750</b>	<b>\$49,578,511</b>	<b>\$2,318,691</b>	<b>\$68,494,491</b>	<b>\$29,234,188</b>	<b>\$63,689,716</b>
Z	Mark-Ups	\$7,925,962	\$6,208,000	\$12,192,491	\$792,037	\$9,976,291	\$5,517,368	\$11,227,488
Z	Insurance		\$200,000	\$1,230,600	\$31,652	\$346,399	\$365,427	\$470,701
Z	Subcontractor Bond			\$586,000	\$29,911	\$623,518	\$190,022	\$470,701
Z	Design & Pricing Contingency	\$3,144,280	\$2,594,000	\$5,656,228	\$173,902	\$3,463,990	\$2,330,842	\$5,836,182
Z	General Conditions	\$3,575,234	\$2,701,000	\$3,164,200	\$408,442	\$3,810,389	\$1,754,051	\$3,420,000
Z	Overhead & Profit / GMP Fee	\$1,206,448	\$713,000	\$1,555,463	\$148,130	\$1,731,995	\$877,026	\$1,029,904
Z	GMP Contingency							
	<b>Construction Subtotal</b>	<b>\$45,830,486</b>	<b>\$31,535,750</b>	<b>\$61,771,002</b>	<b>\$3,110,728</b>	<b>\$78,470,782</b>	<b>\$34,751,556</b>	<b>\$74,917,204</b>
	Project Scope Adjustments	\$1,142,521	\$558,301					
Z	Escalation to Construction Mid-Point	\$3,771,865	\$615,000	\$2,002,972	\$54,438	\$2,377,682	\$877,026	
	<b>Total Construction Cost</b>	<b>\$50,744,872</b>	<b>\$32,709,051</b>	<b>\$63,773,974</b>	<b>\$3,165,166</b>	<b>\$80,848,464</b>	<b>\$35,628,582</b>	<b>\$74,917,204</b>
	<b>Cost per Square Foot</b>	<b>\$324</b>	<b>\$111</b>	<b>\$270</b>	<b>\$22</b>	<b>\$302</b>	<b>\$294</b>	<b>\$203</b>
	Bid Alternates				\$603,489	\$6,460,288		\$225,000
	CM Pre-Construction Services			\$100,000				\$225,000
	Construction Contingency		\$2,784,724	\$3,193,699	\$158,258	\$3,055,806	\$2,583,000	\$4,153,946
	Designer	\$3,607,500	\$3,375,000	\$5,652,116	\$468,000	\$4,437,264	\$3,784,160	\$6,637,140
	OPM & other Professional services	\$1,327,150	\$999,000	\$1,862,000	\$373,870	\$2,261,432	\$1,283,780	\$3,619,700
	FF&E/IT	\$2,236,000	\$900,000	\$2,842,102	\$250,000	\$5,201,000	\$1,454,000	\$5,526,000
	Legal Fees	\$75,000	\$25,000	\$4,000	\$4,000	\$100,000	\$25,000	\$50,000
	Other Soft Costs	\$255,000	\$2,663,000	\$245,000	\$30,750	\$952,000	\$110,920	\$3,765,000
	Owner's Contingency	\$2,850,687	\$2,500,000	\$784,000	\$50,000	\$642,585	\$900,000	\$164,627
	<b>Total Project Budget ***</b>	<b>\$61,096,209</b>	<b>\$45,955,775</b>	<b>\$78,452,891</b>	<b>\$5,103,533</b>	<b>\$103,958,839</b>	<b>\$45,769,442</b>	<b>\$99,058,617</b>
	Bid Alternates				\$603,489	\$6,460,288		
	Ineligible Costs & Contingency	\$469,304	\$2,852,325	\$412,586	\$699,931	\$284,346		\$3,728,256
	Scope Exclusions	\$1,142,521		\$12,444,897	\$66,680	\$8,279,647	\$3,204,516	\$1,293,898
	<b>Basis for Total Facilities Grant</b>	<b>\$59,484,384</b>	<b>\$43,103,450</b>	<b>\$65,595,408</b>	<b>\$4,433,364</b>	<b>\$88,518,973</b>	<b>\$42,280,580</b>	<b>\$94,036,463</b>
	<b>Reimbursement Rate</b>	<b>47.21%</b>	<b>72.01%</b>	<b>51.84%</b>	<b>43.94%</b>	<b>55.61%</b>	<b>56.42%</b>	<b>68.84%</b>
	<b>Maximum Facilities Grant</b>	<b>\$28,082,578</b>	<b>\$31,038,794</b>	<b>\$34,004,660</b>	<b>\$1,948,020</b>	<b>\$49,225,401</b>	<b>\$23,854,703</b>	<b>\$64,734,701</b>

\* Hanover PS&B Agreement budget shown reflects a Maximum Facilities Grant Amount that is lower than the amount approved by the MSBA Board Vote.

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

**Estimated Construction & Total Project Cost Data at Schematic Design [PRIOR TO JANUARY 1, 2014]  
High Schools**

The information and data contained in this spreadsheet, for construction projects prior to January 1, 2014, is based on the MSBA's review of construction cost estimates, contracts and other documentation provided by cities, towns, and regional school districts. This information and data is intended for informational purposes only. The data may have changed based on actual construction bids or contract amendments, for example, and the MSBA shall have no responsibility or duty to update any of the information contained in this spreadsheet. Additionally, districts may refer to their district and school names using different titles than what is shown in this report. Please contact the Districts for the most current information. The MSBA hereby disclaims any and all liability and responsibility that may arise in connection with the information contained in this spreadsheet. This spreadsheet may include a preliminary review of scope exclusions but all costs identified are subject to review and audit by the MSBA and may not be eligible for reimbursement by the MSBA.

District	Monomoy	Natick	Norfolk	Norton	Norwood	Old Colony	Plymouth	
School Name	Monomoy Regional High School	Natick High School	Norfolk County Agricultural High School	Norton High School	Norwood High School	Old Colony VT HS	Plymouth North High School	
Construction Type	New	New	Add/Reno	Add/Reno	New	Repair	New	
Enrolment	700	1,300	550	700	1,100	586	1,350	
GSF	168,000	254,095	102,097	162,405	227,374	106,000	267,064	
Assumed Start of Construction	Jan-13	Jun-10	Oct-11	Mar-12	May-09	Jun-13	Jan-10	
OPM	Skanska USA Buildings, Inc.	Hill International	Compass Project Management, Inc.	Pinck & Company, Inc.	Compass Project Management, Inc.	Vertex Construction Services	Ted Gentry Associates	
Designer	Moutn Vernon Group Architects, Inc.	Ai3 Architects LLC	Turowski2 Architecture, Inc.	JCJ Architecture, PC	Ai3	Habeeb & Associates Architects, Inc.	Ai3 Architects LLC	
Cost Estimator	Tarbell Construction Management	PM&C	VJ Associates		PM&C	Talevi & Haesche	PM&C	
Division #	Description of Work	Total Costs						
A	Substructure	\$2,162,932	\$2,378,540	\$1,396,230	\$298,825	\$3,403,879	\$14,500	\$2,549,431
B	Shell	\$12,883,706	\$14,800,120	\$4,210,913	\$3,675,299	\$15,976,453	\$1,158,428	\$15,098,629
B10	Superstructure	\$4,167,504	\$6,200,934	\$1,052,383		\$5,626,189		\$6,458,543
B20	Exterior Enclosure	\$5,847,011	\$6,447,023	\$2,071,862		\$8,221,328	\$7,533	\$6,626,454
B2010	Exterior Walls	\$4,174,611	\$4,768,336	-	-	\$6,559,349		\$5,162,238
B2020	Exterior Windows	\$1,559,490	\$1,474,275	-	-	\$1,661,979		\$1,317,164
B2030	Exterior Doors	\$112,910	\$204,412	-	-	\$0	\$7,533	\$147,052
B30	Roofing	\$2,869,191	\$2,152,163	\$1,086,668		\$2,128,936	\$1,150,895	\$2,013,632
C	Interiors	\$7,367,043	\$13,796,024	\$2,314,713	\$3,991,890	\$7,487,591	\$153,728	\$14,514,191
D	Services	\$12,514,193	\$16,554,499	\$5,904,573	\$11,526,046	\$15,225,857	\$105,080	\$16,166,816
D10	Conveying	\$100,000	\$152,475	\$72,100	\$78,500	\$97,000		\$98,425
D20	Plumbing	\$1,836,467	\$3,242,098	\$1,045,302	\$1,430,599	\$1,973,133	\$68,880	\$2,541,472
D30	HVAC	\$5,252,856	\$5,637,087	\$2,320,294	\$4,028,775	\$6,594,488	\$17,300	\$6,442,266
D40	Fire Protection	\$574,438	\$1,079,904	\$452,779	\$625,099	\$1,109,150		\$1,135,022
D50	Electrical Utilities	\$4,750,432	\$6,442,935	\$2,014,098	\$5,363,073	\$5,452,086	\$18,900	\$5,949,631
E	Furnishings & Fixed Equipment	\$2,363,925	\$1,614,736	\$655,119	\$1,292,721	\$2,884,115	\$101,150	\$1,781,244
	Building Value Engineering							
	<b>Building Subtotal</b>	<b>\$37,291,799</b>	<b>\$49,143,919</b>	<b>\$14,481,548</b>	<b>\$20,784,781</b>	<b>\$44,977,895</b>	<b>\$1,532,886</b>	<b>\$50,110,311</b>
F	Special Construction & Demo	\$1,447,105	\$3,811,868	\$793,347	\$1,115,239		\$316,523	\$4,761,584
G	Other Site Construction	\$5,235,043	\$4,634,077	\$1,845,590	\$308,705	\$7,631,678	\$0	\$7,714,170
G10	Site Preparation	\$1,031,068	\$826,879	\$474,370	\$67,933	\$891,935		\$1,674,617
G20	Site Improvements	\$1,975,468	\$2,530,453	\$407,318	\$68,242	\$5,792,136		\$4,131,504
G30	Mechanical Utilities	\$1,680,922	\$879,095	\$614,502	\$123,824	\$947,607		\$1,420,490
G40	Electrical Utilities	\$547,585	\$397,650	\$349,400	\$48,706			\$487,559
	Other Site Construction				\$530,640			
	<b>Subtotal</b>	<b>\$43,973,947</b>	<b>\$57,589,864</b>	<b>\$17,120,485</b>	<b>\$22,739,365</b>	<b>\$52,609,573</b>	<b>\$1,849,409</b>	<b>\$62,586,065</b>
Z	Mark-Ups	\$7,445,572	\$8,912,474	\$4,074,666	\$5,027,685	\$9,672,126	\$179,991	\$9,419,860
Z	Insurance		\$287,949	\$214,456				
Z	Subcontractor Bond	\$978,860	\$345,539	\$171,565				
Z	Design & Pricing Contingency	\$2,198,697	\$4,031,290	\$1,715,649	\$2,304,356	\$1,112,491		\$4,048,300
Z	General Conditions	\$2,770,359	\$2,520,000	\$1,372,519		\$6,116,121	\$179,991	\$2,900,070
Z	Overhead & Profit / GMP Fee	\$1,497,656	\$1,727,696	\$600,477	\$2,723,329	\$2,443,514		\$2,471,490
Z	GMP Contingency							
	<b>Construction Subtotal</b>	<b>\$51,419,519</b>	<b>\$66,502,338</b>	<b>\$21,195,151</b>	<b>\$27,767,050</b>	<b>\$62,281,699</b>	<b>\$2,029,400</b>	<b>\$72,005,925</b>
	Project Scope Adjustments							
Z	Escalation to Construction Mid-Point	\$1,542,586	\$4,322,662	\$1,061,558	\$1,047,434	\$3,195,490		
	<b>Total Construction Cost</b>	<b>\$52,962,105</b>	<b>\$70,825,000</b>	<b>\$22,256,709</b>	<b>\$28,814,484</b>	<b>\$65,477,189</b>	<b>\$2,029,400</b>	<b>\$72,005,925</b>
	<b>Cost per Square Foot</b>	<b>\$315</b>	<b>\$279</b>	<b>\$218</b>	<b>\$177</b>	<b>\$288</b>	<b>\$19</b>	<b>\$270</b>
Bid Alternates	\$1,662,000	\$2,685,500					\$7,800	\$3,244,503
CM Pre-Construction Services				\$150,000				
Construction Contingency	\$2,500,000	\$3,628,800	\$1,114,635	\$945,833	\$2,640,000	\$271,467		\$3,212,936
Designer	\$3,305,000	\$3,455,614	\$2,292,075	\$3,090,183	\$4,687,835	\$254,200		\$3,526,407
OPM & other Professional services	\$1,842,080	\$2,142,500	\$1,055,144	\$1,006,824	\$2,458,941	\$131,460		\$2,849,589
FF&E/IT	\$1,680,000	\$3,810,000	\$1,320,000	\$1,680,000	\$2,890,000			\$4,422,000
Legal Fees	\$50,000	\$60,000	\$25,000	\$50,000	\$100,000			\$150,000
Other Soft Costs	\$200,000	\$1,180,000	\$196,000	\$146,208	\$225,000	\$8,800		\$1,637,680
Owner's Contingency	\$500,000	\$1,200,000	\$292,822	\$497,366	\$660,000	\$7,889		\$1,200,000
	<b>Total Project Budget ***</b>	<b>\$64,701,185</b>	<b>\$88,987,414</b>	<b>\$28,552,385</b>	<b>\$36,380,898</b>	<b>\$79,138,965</b>	<b>\$2,711,016</b>	<b>\$92,249,040</b>
Bid Alternates	\$1,662,000	\$2,685,500					\$7,800	\$3,244,503
Ineligible Costs & Contingency	\$1,060,000	\$1,060,000	\$115,300	\$1,049,403	\$3,475,000	\$170,270		\$2,051,991
Scope Exclusions	\$5,410,095	\$3,225,352	\$873,039	\$190,027	\$2,400,432	\$7,800		\$7,531,652
	<b>Basis for Total Facilities Grant</b>	<b>\$57,629,090</b>	<b>\$82,016,562</b>	<b>\$27,564,046</b>	<b>\$35,141,468</b>	<b>\$73,263,533</b>	<b>\$2,525,146</b>	<b>\$79,420,894</b>
	<b>Reimbursement Rate</b>	<b>51.53%</b>	<b>52.63%</b>	<b>55.76%</b>	<b>64.42%</b>	<b>59.21%</b>	<b>54.16%</b>	<b>58.24%</b>
	<b>Maximum Facilities Grant</b>	<b>\$29,696,270</b>	<b>\$43,165,317</b>	<b>\$15,369,712</b>	<b>\$22,638,134</b>	<b>\$43,379,338</b>	<b>\$1,367,619</b>	<b>\$46,254,729</b>

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

**Estimated Construction & Total Project Cost Data at Schematic Design [PRIOR TO JANUARY 1, 2014]  
High Schools**

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District	Shawsheen	Somerset Berkley	Southeastern	Southern Worcester County	Southwick Tolland	Tewksbury	Uxbridge **	
School Name	Shawsheen Regional Voc Tech High School	Somerset Berkley Regional High School	Southeastern Regional Voc Tech High School	Bay Path Regional Voc Tech High School	Southwick Tolland Regional High School	Tewksbury Memorial High School	Uxbridge High School	
Construction Type	Add/Reno	New	Add/Reno	Add/Reno	New	New	New	
Enrollment	1,300	1,000	1,370	1,110	790	1,100	600	
GSF	13,900	222,826	308,250	249,521	165,995	218,784	123,000	
Assumed Start of Construction	Nov-10	Jun-12	Jun-11	Jun-13	Sep-13	Sep-10	Dec-10	
OPM	Construction Monitoring Services, Inc.	Skanska USA Building, Inc.	Hill International	Heery International, Inc.	Stategic Building Solutions	Heery International, Inc.	Joslin, Lesser & Associates	
Designer	Knight, Bagge & Anderson, Inc.	Ai3 Architects LLC	Drumme Rosane Anderson, Inc.	Kaestle Boos Associates, Inc.	JCH Architecture, PC	Symmes Maini & McKee Associates	Raymond Design Associates	
Cost Estimator	Knight, Bagge & Anderson, Inc.	PM&C	Cost Pro, Inc.	Coast & Harbor Con Mgmt	PM&C	Daedalus Projects, Inc.	PM&C	
<b>Division #</b>	<b>Description of Work</b>		<b>Total Costs</b>					
A	Substructure	\$648,000	\$2,469,515	\$436,752	\$1,008,355	\$1,327,200	\$3,314,600	\$1,545,913
B	Shell	\$648,000	\$15,899,933	\$4,741,556	\$9,805,267	\$6,854,700	\$14,495,885	\$7,347,495
B10	Superstructure	\$6,010,986	\$1,061,753	\$2,074,360	\$1,607,700	\$5,239,424	\$2,836,451	
B20	Exterior Enclosure		\$7,472,601	\$1,998,948	\$4,599,835	\$2,703,300	\$6,837,770	\$2,991,879
	B2010 Exterior Walls			\$760,953			\$4,446,476	
	B2020 Exterior Windows			\$1,117,333			\$2,217,905	
	B2030 Exterior Doors			\$120,662			\$173,389	
B30	Roofing		\$2,416,346	\$1,680,855	\$3,131,072	\$2,543,700	\$2,418,691	\$1,519,165
C	Interiors	\$1,296,000	\$13,020,687	\$3,700,338	\$5,713,437	\$3,593,800	\$7,341,715	\$4,943,296
D	Services	\$648,000	\$16,646,502	\$7,406,257	\$16,494,709	\$8,304,500	\$14,664,051	\$7,974,823
	D10 Conveying		\$171,425	\$122,092	\$49,697	\$20,000	\$210,000	\$81,500
	D20 Plumbing		\$2,570,050	\$1,274,109	\$1,508,641	\$1,478,100	\$1,457,530	\$1,045,632
	D30 HVAC		\$6,503,713	\$2,123,318	\$7,430,070	\$2,762,200	\$6,285,958	\$3,691,010
	D40 Fire Protection		\$976,752	\$1,083,414	\$1,190,980	\$710,900	\$765,653	\$475,025
	D50 Electrical Utilities		\$6,424,562	\$2,803,324	\$6,315,321	\$3,333,300	\$5,944,910	\$2,681,656
E	Furnishings & Fixed Equipment		\$1,919,500	\$1,326,800	\$1,726,001	\$1,218,300	\$4,168,396	\$1,774,726
	Building Value Engineering							
	<b>Building Subtotal</b>	<b>\$3,240,000</b>	<b>\$49,956,137</b>	<b>\$17,611,703</b>	<b>\$34,747,769</b>	<b>\$21,298,500</b>	<b>\$43,984,647</b>	<b>\$23,586,253</b>
F	Special Construction & Demo		\$2,245,618	\$1,168,044	\$2,275,974	\$1,094,900	\$2,440,639	
G	Other Site Construction	\$0	\$6,927,959	\$740,653	\$3,627,121	\$1,650,700	\$6,765,873	\$5,034,783
	G10 Site Preparation		\$1,706,469	\$740,653	\$653,341	\$141,300	\$2,070,011	\$611,181
	G20 Site Improvements		\$3,900,276		\$1,688,164	\$718,500	\$3,313,540	\$3,143,679
	G30 Mechanical Utilities		\$1,321,214		\$454,808	\$464,000	\$1,382,322	\$941,723
	G40 Electrical Utilities				\$830,808	\$326,900		\$338,200
	Other Site Construction							
	<b>Subtotal</b>	<b>\$3,240,000</b>	<b>\$89,129,714</b>	<b>\$19,520,400</b>	<b>\$40,650,864</b>	<b>\$24,044,100</b>	<b>\$53,191,159</b>	<b>\$28,621,036</b>
Z	Mark-Ups	\$582,147	\$6,466,286	\$5,739,538	\$14,216,445	\$5,899,902	\$11,780,778	\$5,648,771
Z	Insurance		\$397,367	\$2,777,142	\$1,550,543		\$574,465	\$464,000
Z	Subcontractor Bond		\$421,322	\$266,943		\$480,842	\$631,911	\$216,000
Z	Design & Pricing Contingency	\$250,047	\$1,798,308	\$2,075,428	\$4,065,086	\$2,722,173	\$4,255,293	\$3,090,104
Z	General Conditions	\$162,000	\$2,298,919	\$4,462,186	\$4,462,186	\$1,975,524	\$4,882,948	\$1,400,000
Z	Overhead & Profit / GMP Fee	\$170,100	\$1,550,370	\$620,025	\$1,523,942	\$721,363	\$1,436,161	\$478,667
Z	GMP Contingency				\$2,614,688			
	<b>Construction Subtotal</b>	<b>\$3,822,147</b>	<b>\$65,596,000</b>	<b>\$25,259,938</b>	<b>\$54,867,309</b>	<b>\$29,944,002</b>	<b>\$64,971,937</b>	<b>\$34,269,807</b>
	Project Scope Adjustments				\$290,023			\$200,000
Z	Escalation to Construction Mid-Point		\$1,244,822	\$1,316,629	\$3,043,999	\$1,464,665	\$974,579	
	<b>Total Construction Cost</b>	<b>\$3,822,147</b>	<b>\$66,840,822</b>	<b>\$26,576,567</b>	<b>\$58,201,331</b>	<b>\$31,408,667</b>	<b>\$65,946,516</b>	<b>\$34,469,807</b>
	<b>Cost per Square Foot</b>	<b>\$275</b>	<b>\$300</b>	<b>\$86</b>	<b>\$233</b>	<b>\$189</b>	<b>\$301</b>	<b>\$280</b>
Bid Alternates			\$3,009,177	\$1,282,812			\$2,116,499	
CM Pre-Construction Services				\$200,000	\$150,000	\$0		\$100,000
Construction Contingency			\$2,250,000	\$1,328,828	\$2,910,067	\$1,570,433	\$3,352,074	\$1,723,490
Designer	\$461,600	\$3,430,618	\$2,336,595	\$4,687,500	\$2,944,454	\$4,052,700	\$3,440,360	
OPM & other Professional services	\$135,000	\$1,955,000	\$930,110	\$2,520,000	\$1,205,205	\$3,230,597	\$1,331,930	
FF&E/IT	\$240,000	\$3,700,000	\$1,150,000	\$2,332,000	\$1,496,000	\$3,808,300	\$1,440,000	
Legal Fees		\$50,000		\$25,000		\$10,000	\$20,000	
Other Soft Costs	\$29,100	\$341,000	\$61,000	\$1,396,507	\$549,100	\$392,500	\$190,000	
Owner's Contingency		\$1,250,000	\$394,375	\$1,500,000	\$1,500,000	\$1,253,987	\$304,413	
	<b>Total Project Budget ***</b>	<b>\$4,687,847</b>	<b>\$82,826,617</b>	<b>\$34,260,287</b>	<b>\$73,722,405</b>	<b>\$40,683,859</b>	<b>\$84,173,173</b>	<b>\$43,000,000</b>
Bid Alternates			\$3,009,177	\$1,282,812			\$2,116,499	
Ineligible Costs & Contingency			\$1,251,123			\$1,203,332	\$1,817,906	\$185,376
Scope Exclusions			\$4,368,308	\$491,716	\$3,283,297	\$3,070,433	\$6,654,642	\$3,943,901
<b>Basis for Total Facilities Grant</b>	<b>\$4,687,847</b>	<b>\$74,198,009</b>	<b>\$32,485,759</b>	<b>\$70,439,108</b>	<b>\$36,410,094</b>	<b>\$73,584,126</b>	<b>\$38,870,723</b>	
<b>Reimbursement Rate</b>	<b>55.73%</b>	<b>67.48%</b>	<b>80.00%</b>	<b>67.41%</b>	<b>66.53%</b>	<b>60.06%</b>	<b>56.53%</b>	
<b>Maximum Facilities Grant</b>	<b>\$2,612,537</b>	<b>\$50,068,816</b>	<b>\$25,988,607</b>	<b>\$47,483,003</b>	<b>\$24,223,636</b>	<b>\$44,194,626</b>	<b>\$21,973,620</b>	

\*\* Uxbridge - The MSBA Board Vote (July 27, 2010) for Uxbridge provides for a Reimbursement rate of 57.53% with a Total Facilities Grant up to \$22,362,327, if the CM@Risk Delivery method is approved.

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

**Estimated Construction & Total Project Cost Data at Schematic Design [PRIOR TO JANUARY 1, 2014]  
High Schools**

The information and data contained in this spreadsheet, for construction projects prior to January 1, 2014, is based on the MSBA's review of construction cost estimates, contracts and other documentation provided by cities, towns, and regional school districts. This information and data is intended for informational purposes only. The data may have changed based on actual construction bids or contract amendments, for example, and the MSBA shall have no responsibility or duty to update any of the information contained in this spreadsheet. Additionally, districts may refer to their district and school names using different titles than what is shown in this report. Please contact the Districts for the most current information. The MSBA hereby disclaims any and all liability and responsibility that may arise in connection with the information contained in this spreadsheet. This spreadsheet may include a preliminary review of scope exclusions but all costs identified are subject to review and audit by the MSBA and may not be eligible for reimbursement by the MSBA.

District	Wayland	Wellesley *	West Springfield	Wilmington	TOTAL	
School Name	Wayland High School	Wellesley Sr. High School	West Springfield High School	Wilmington High School	ALL HIGH SCHOOLS	
Construction Type	New	New	New	New		
Enrollment	900	1,500	1,270	960		
GSF	159,203	280,000	257,525	192,443		
Assumed Start of Construction	Mar-11	Jun-09	Oct-11	Jun-12		
OPM	KV Associates	Ryegate Inc	Strategic Building Solutions, LLC	Joslin, Lesser & Associates		
Designer	HMFH Architects, Inc.	Symmes Maini & McKee Associates	Symmes Maini & McKee Associates	Dore & Whittier Associates		
Cost Estimator	PM&C	Gardiner & Theobald	AM Fogarty, Inc.	PM&C		
Division #	Description of Work	Total Costs				Total Costs
A	Substructure	\$2,309,181	\$2,744,026	\$5,335,400	\$2,583,381	\$74,794,120
B	Shell	\$10,620,532	\$20,847,894	\$16,831,000	\$15,215,076	\$421,860,943
B10	Superstructure	\$4,286,888	\$8,984,922	\$5,677,300	\$6,261,350	\$153,555,250
B20	Exterior Enclosure	\$4,407,806	\$9,273,665	\$8,750,500	\$6,251,414	\$183,899,872
B2010	Exterior Walls	\$2,349,358	-	-	-	\$56,323,812
B2020	Exterior Windows	\$1,944,565	-	-	-	\$22,287,640
B2030	Exterior Doors	\$113,883	-	-	-	\$1,944,738
B30	Roofing	\$1,925,838	\$2,589,307	\$2,403,200	\$2,702,312	\$80,082,522
C	Interiors	\$7,074,515	\$10,304,585	\$10,091,700	\$9,917,889	\$296,258,660
D	Services	\$9,412,143	\$19,475,084	\$16,568,000	\$15,656,683	\$501,462,471
D10	Conveying	\$142,400	\$343,566	\$208,000	\$192,100	\$5,476,721
D20	Plumbing	\$1,190,017	-	\$2,205,700	\$2,360,975	\$66,073,978
D30	HVAC	\$3,852,500	\$12,225,654	\$7,021,200	\$7,195,473	\$221,994,782
D40	Fire Protection	\$637,585	\$853,500	\$853,500	\$846,069	\$29,688,343
D50	Electrical Utilities	\$3,589,641	\$6,905,864	\$6,279,600	\$5,062,066	\$177,580,647
E	Furnishings & Fixed Equipment	\$3,297,786	\$5,417,734	\$3,480,600	\$3,152,253	\$78,337,209
	Building Value Engineering					\$0
	<b>Building Subtotal</b>	<b>\$32,714,157</b>	<b>\$58,789,323</b>	<b>\$52,306,700</b>	<b>\$46,525,282</b>	<b>\$1,372,713,403</b>
F	Special Construction & Demo	\$1,749,020	\$0	\$2,149,800	\$1,300,000	\$66,479,642
G	Other Site Construction	\$4,964,762	\$8,545,653	\$7,947,600	\$5,238,508	\$163,673,378
G10	Site Preparation	\$718,277	\$5,364,597	\$1,379,700	\$1,499,910	\$35,187,288
G20	Site Improvements	\$3,084,429	\$1,864,667	\$3,023,000	\$2,060,601	\$82,456,672
G30	Mechanical Utilities	\$650,956	\$855,785	\$3,053,000	\$1,395,147	\$33,851,996
G40	Electrical Utilities	\$511,100	\$460,604	\$491,900	\$282,850	\$12,177,422
	Other Site Construction					\$3,167,078
	<b>Subtotal</b>	<b>\$39,427,939</b>	<b>\$67,334,976</b>	<b>\$62,404,100</b>	<b>\$53,063,790</b>	<b>\$1,606,033,501</b>
Z	Mark-Ups	\$8,503,620	\$16,647,681	\$9,330,800	\$10,813,833	\$310,725,006
Z	Insurance	\$592,396	\$673,350	\$998,500	\$526,393	\$18,035,551
Z	Subcontractor Bond	\$318,982	\$505,012		\$392,672	\$10,438,838
Z	Design & Pricing Contingency	\$2,574,886	\$6,733,498	\$3,490,200	\$4,245,103	\$113,821,015
Z	General Conditions	\$3,208,102	\$5,032,398	\$2,970,000	\$4,674,665	\$102,262,026
Z	Overhead & Profit / GMP Fee	\$1,809,254	\$3,703,423	\$1,872,100	\$975,000	\$59,611,523
Z	GMP Contingency					\$6,556,053
	<b>Construction Subtotal</b>	<b>\$47,931,559</b>	<b>\$83,982,657</b>	<b>\$71,734,900</b>	<b>\$63,877,623</b>	<b>\$1,916,758,507</b>
	Project Scope Adjustments	\$6,141,048	\$12,194,450			\$20,111,343
Z	Escalation to Construction Mid-Point	\$2,162,904	\$10,373,133	\$1,560,100	\$530,638	\$71,716,834
	<b>Total Construction Cost</b>	<b>\$56,235,511</b>	<b>\$106,550,240</b>	<b>\$73,295,000</b>	<b>\$64,408,261</b>	<b>\$2,008,586,684</b>
	<b>Cost per Square Foot</b>	<b>\$353</b>	<b>\$381</b>	<b>\$285</b>	<b>\$335</b>	
	Bid Alternates			\$14,230,024	\$3,128,252	\$49,331,246
	CM Pre-Construction Services	\$200,000			\$160,000	\$2,005,029
	Construction Contingency	\$3,037,578		\$3,664,800	\$3,419,535	\$91,490,771
	Designer	\$5,639,972	\$8,186,000	\$4,763,720	\$6,050,000	\$161,814,139
	OPM & other Professional services	\$1,904,903	\$2,949,671	\$3,201,600	\$2,085,000	\$70,069,181
	FF&E/IT	\$2,164,856	\$4,776,900	\$3,831,675	\$2,304,000	\$95,784,094
	Legal Fees	\$50,000				\$1,344,000
	Other Soft Costs	\$655,000	\$1,537,029	\$907,700	\$485,000	\$23,048,391
	Owner's Contingency	\$912,180	\$7,055,089	\$3,664,800	\$648,067	\$41,402,637
	<b>Total Project Budget ***</b>	<b>\$70,800,000</b>	<b>\$131,054,929</b>	<b>\$107,559,319</b>	<b>\$82,688,115</b>	<b>\$2,544,876,172</b>
	Bid Alternates			\$14,230,024	\$3,128,252	\$49,331,246
	Ineligible Costs & Contingency	\$4,242,436	\$2,246,637	\$1,280,962	\$335,006	\$35,559,152
	Scope Exclusions	\$4,057,564	\$21,056,950	\$6,037,970	\$10,384,044	\$163,607,974
	<b>Basis for Total Facilities Grant</b>	<b>\$62,500,000</b>	<b>\$107,751,342</b>	<b>\$86,010,363</b>	<b>\$68,840,813</b>	<b>\$2,296,377,800</b>
	Reimbursement Rate	40.00%	40.00%	80.00%	55.19%	
	<b>Maximum Facilities Grant</b>	<b>\$25,000,000</b>	<b>\$43,100,537</b>	<b>\$68,808,290</b>	<b>\$37,993,245</b>	<b>\$1,355,149,614</b>

\* Wellesley PS&B Agreement budget shown reflects a Maximum Facilities Grant Amount that is lower than the amount approved by the MSBA Board Vote.

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