

DESIGNER AND OPM Fees [ON OR AFTER JANUARY 1, 2014]

High Schools

Information as of:
February 2024 Board Meeting

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

Date Board Approved	Oct-12		Oct-13		Oct-13		Jan-14		Mar-14		Jun-14		Jul-14		Jun-15	
District	Greater Lowell Regional Voc Tech		Winthrop		Winchester		North Middlesex		Georgetown		Lunenburg		Plymouth		Pittsfield	
School Name	Gr Lowell Regional Voc Tech		Winthrop HS		Winchester HS		North MSsex Regional		Georgetown HS		Lunenburg HS		Plymouth South HS		Taconic HS	
Project Type	Core Program		Core Program		Core Program		Core Program		Core Program		Core Program		Core Program		Core Program	
Project Scope	Addition / Renovation		New Construction		Addition / Renovation		New Construction		Renovation		New Construction		New Construction		New Construction	
Enrollment	1,990		970		1,370		870		720		820		1,005		920	
GSF	505,766		187,917		288,840		180,530		128,670		167,018		248,081		246,520	
Assumed Start of Construction	Apr-14		Jul-14		Jun-14		May-15		Apr-15		May-14		Jul-15		Jan-16	
OPM	NV5 (fka Joslin, Lesser + Associates Inc.)		Skanska USA Building, Inc		Skanska USA Building, Inc		Turner & Townsend Heery		Municipal Building Consultants, Inc.		NV5 (fka Joslin, Lesser + Associates Inc.)		Ted Gentry Associates, Inc		Skanska USA Building, Inc	
Designer	Knight, Bagge & Anderson, Inc.		HMFH Architects, Inc.		Symmes Maini & McKee Associates, Inc.		Symmes Maini & McKee Associates, Inc.		Drumme Rosane Anderson, Inc.		Tappe Architects, Inc.		Ai3 Architects LLC		Drumme Rosane Anderson, Inc.	
Cost Estimator	Atlantic Construction and Management, Inc.		Project Management & Cost		A M Fogarty & Associates Inc.		Project Management & Cost		Rider Levett Bucknall		Project Management & Cost		Project Management & Cost		Rider Levett Bucknall	
Description	Cost	% of Total Construction	Cost	% of Total Construction	Cost	% of Total Construction	Cost	% of Total Construction	Cost	% of Total Construction	Cost	% of Total Construction	Cost	% of Total Construction	Cost	% of Total Construction
Designer	Knight, Bagge & Anderson, Inc.		HMFH Architects, Inc.		Symmes Maini & McKee Associates, Inc.		Symmes Maini & McKee Associates, Inc.		Drumme Rosane Anderson, Inc.		Tappe Architects, Inc.		Ai3 Architects LLC		Drumme Rosane Anderson, Inc.	
Basic Services																
<i>Feasibility Study</i>	\$678,305	1.28%	\$586,000	0.92%	\$1,050,000	1.04%	\$695,000	1.01%	\$53,030	0.90%	\$446,057	0.75%	\$1,320,000	1.58%	\$948,748	0.97%
<i>Design Development</i>	\$1,263,583	2.38%	\$1,633,500	2.57%	\$1,685,000	1.67%	\$1,260,000	1.83%	\$187,500	3.20%	\$689,250	1.16%	\$1,023,243	1.22%	\$2,554,399	2.61%
<i>Construction Contract Documents</i>	\$1,886,220	3.55%	\$2,420,000	3.81%	\$3,458,700	3.43%	\$2,650,000	3.85%	\$250,000	4.27%	\$1,608,250	2.70%	\$3,605,216	4.30%	\$3,812,677	3.90%
<i>Bidding</i>	\$242,514	0.46%	\$151,250	0.24%	\$465,000	0.46%	\$316,000	0.46%	\$31,250	0.53%	\$229,750	0.39%	\$122,824	0.15%	\$189,215	0.19%
<i>Construction Contract Administration</i>	\$1,239,516	2.33%	\$1,293,188	2.04%	\$3,420,000	3.39%	\$2,023,000	2.94%	\$148,400	2.53%	\$1,608,250	2.70%	\$910,331	1.09%	\$2,318,520	2.37%
<i>Closeout</i>	\$134,730	0.25%	\$68,063	0.11%	\$113,500	0.11%	\$63,000	0.09%	\$7,850	0.13%	\$459,500	0.77%	\$44,705	0.05%	\$115,926	0.12%
<i>Other Basic Services</i>					\$150,000	0.15%	\$385,000	0.56%					\$316,230	0.38%		
Subtotal Designer Basic Services	\$5,444,868	10.24%	\$6,152,001	9.68%	\$10,342,200	10.25%	\$7,392,000	10.74%	\$678,030	11.57%	\$5,041,057	8.46%	\$7,342,549	8.77%	\$9,939,485	10.17%
Reimbursable Services																
<i>Construction Testing</i>			\$214,500	0.34%											\$20,000	0.02%
<i>Printing (Over Minimum)</i>	\$75,000	0.14%	\$25,000	0.04%	\$50,000	0.05%	\$76,000	0.11%	\$25,000	0.43%			\$100,000	0.12%	\$60,000	0.06%
<i>Other Reimbursable Costs</i>	\$50,000	0.09%			\$41,300	0.04%			\$15,000	0.26%	\$15,000	0.03%	\$50,000	0.06%	\$20,000	0.02%
Sub-Consultants																
<i>Hazardous Materials</i>	\$90,035	0.17%	\$41,200	0.06%	\$235,000	0.23%	\$210,000	0.31%	\$20,000	0.34%	\$150,000	0.25%	\$95,000	0.11%	\$116,500	0.12%
<i>Geotech & Geotech Environment</i>	\$10,000	0.02%	\$66,000	0.10%	\$170,000	0.17%	\$140,000	0.20%	\$15,000	0.26%	\$175,000	0.29%	\$100,000	0.12%	\$30,000	0.03%
<i>Site Survey</i>	\$13,700	0.03%	\$1,000	0.00%	\$5,000	0.00%	\$10,000	0.01%	\$25,000	0.43%	\$30,000	0.05%			\$15,000	0.02%
<i>Wetlands</i>			\$3,000	0.00%	\$5,000	0.00%	\$10,000	0.01%	\$3,000	0.05%	\$10,000	0.02%			\$20,000	0.02%
<i>Traffic Studies</i>							\$55,000	0.08%			\$10,000	0.02%	\$18,500	0.02%	\$10,000	0.01%
Total Designer Fees	\$5,683,603	10.69%	\$6,502,701	10.23%	\$10,848,500	10.75%	\$7,893,000	11.47%	\$781,030	13.33%	\$5,431,057	9.12%	\$7,706,049	9.20%	\$10,230,985	10.47%
Owner's Project Manager	NV5 (fka Joslin, Lesser + Associates Inc.)		Skanska USA Building, Inc		Skanska USA Building, Inc		Turner & Townsend Heery		Municipal Building Consultants, Inc.		NV5 (fka Joslin, Lesser + Associates Inc.)		Ted Gentry Associates, Inc		Skanska USA Building, Inc	
<i>Feasibility Study</i>	\$146,695	0.28%	\$314,000	0.49%	\$250,000	0.25%	\$245,000	0.36%	\$31,970	0.55%	\$173,000	0.29%	\$480,000	0.57%	\$551,252	0.56%
<i>Design Development</i>	\$105,000	0.20%	\$290,000	0.46%	\$170,000	0.17%	\$127,500	0.19%			\$129,000	0.22%			\$200,000	0.20%
<i>Construction Contract Documents</i>	\$225,000	0.42%	\$265,000	0.42%	\$190,000	0.19%	\$285,000	0.41%	\$54,300	0.93%	\$195,000	0.33%	\$366,489	0.44%	\$250,000	0.26%
<i>Bidding</i>	\$50,000	0.09%	\$150,000	0.24%	\$115,000	0.11%			\$14,480	0.25%	\$100,000	0.17%	\$84,170	0.10%	\$150,000	0.15%
<i>Construction Contract Administration</i>	\$1,245,000	2.34%	\$1,250,000	1.97%	\$2,706,000	2.68%	\$3,162,748	4.60%	\$213,940	3.65%	\$1,365,000	2.29%	\$1,954,454	2.33%	\$2,236,118	2.29%
<i>Closeout</i>	\$50,000	0.09%	\$75,000	0.12%	\$161,500	0.16%			\$32,640	0.56%	\$65,000	0.11%	\$84,170	0.10%	\$75,000	0.08%
<i>Extra Services</i>					\$50,000	0.05%	\$144,112	0.21%								
<i>Other Project Manager Costs</i>																
<i>Reimbursables & Other Services</i>	\$46,000	0.09%					\$20,000	0.03%								
<i>Cost Estimates</i>	\$60,000	0.11%	\$125,000	0.20%			\$112,500	0.16%	\$18,000	0.31%			\$61,050	0.07%	\$75,000	0.08%
Total OPM Fees	\$1,927,695	3.63%	\$2,469,000	3.89%	\$3,642,500	3.61%	\$4,096,860	5.95%	\$365,330	6.23%	\$2,027,000	3.40%	\$3,030,333	3.62%	\$3,537,370	3.62%
Total Designer and OPM Fees	\$7,611,298	14.32%	\$8,971,701	14.12%	\$14,491,000	14.36%	\$11,989,860	17.42%	\$1,146,360	19.56%	\$7,458,057	12.52%	\$10,736,382	12.82%	\$13,768,355	14.08%
Total Construction Costs	\$53,165,631		\$63,542,179		\$100,935,610		\$68,829,726		\$5,861,090		\$59,570,728		\$83,765,059		\$97,757,373	

Date Board Approved	Jan-16		Jan-16		May-16		Feb-17		Aug-17		Aug-17		Oct-17		Dec-17	
District	Billerica		Minuteman Voc Tech		Stoughton		Somerville		Blue Hills Voc		Cape Cod Regional Voc Tech		Middleborough		Boston	
School Name	Billerica Memorial HS		Minuteman Regional HS		Stoughton HS		Somerville HS		Blue Hills Regional Voc Tech		Cape Cod Region Voc Tech		MSborough HS		Boston Arts Academy	
Project Type	Core Program		Core Program		Core Program		Core Program		Core Program		Core Program		Core Program		Core Program	
Project Scope	New Construction		New Construction		New Construction		Addition / Renovation		Addition / Renovation		New Construction		New Construction		New Construction	
Enrollment	1,610		628		1,065		1,590		900		650		720		500	
GSF	325,191		257,745		214,860		369,496		292,400		220,880		166,650		153,476	
Assumed Start of Construction	Feb-17		Aug-17		Aug-17		Jun-18		May-18		Dec-18		Dec-17		Sep-18	
OPM	Leftfield, LLC		Skanska USA Building, Inc		Compass Project Management, Inc.		PMA Consultants, LLC		Dore & Whittier Management Partners, Inc.		Colliers Project Leaders NE, LLC		Compass Project Management, Inc.		PMA Consultants, LLC	
Designer	Perkins+Will		Kaestle Boos Associates, Inc.		Drumme Rosane Anderson, Inc.		Symmes Maini & McKee Associates, Inc.		Drumme Rosane Anderson, Inc.		Drumme Rosane Anderson, Inc.		Drumme Rosane Anderson, Inc.		Perkins Eastman/DPC	
Cost Estimator	Project Management & Cost		Coast and Harbor Associates, Inc.		Rider Levett Bucknall		VJ Associates of New England		Ellana, Inc.		Rider Levett Bucknall		Miyakoda Consulting		Project Management & Cost	
Description	Cost	% of Total Construction	Cost	% of Total Construction	Cost	% of Total Construction	Cost	% of Total Construction	Cost	% of Total Construction	Cost	% of Total Construction	Cost	% of Total Construction	Cost	% of Total Construction
Designer	Perkins+Will		Kaestle Boos Associates, Inc.		Drumme Rosane Anderson, Inc.		Symmes Maini & McKee Associates, Inc.		Drumme Rosane Anderson, Inc.		Drumme Rosane Anderson, Inc.		Drumme Rosane Anderson, Inc.		Perkins Eastman/DPC	
Basic Services																
<i>Feasibility Study</i>	\$1,500,000	1.07%	\$473,800	0.40%	\$705,000	0.73%	\$1,200,000	0.60%	\$625,000	0.89%	\$749,569	0.72%	\$900,000	1.09%	\$1,135,856	1.18%
<i>Design Development</i>	\$2,924,040	2.08%	\$3,118,260	2.62%	\$2,323,220	2.39%	\$3,985,000	2.00%	\$1,620,000	2.30%	\$2,605,595	2.50%	\$2,165,000	2.62%	\$2,115,456	2.20%
<i>Construction Contract Documents</i>	\$4,867,070	3.46%	\$3,637,970	3.05%	\$3,707,395	3.81%	\$7,970,000	4.00%	\$2,590,000	3.67%	\$4,301,200	4.13%	\$3,273,000	3.95%	\$2,961,639	3.09%
<i>Bidding</i>	\$1,169,616	0.83%	\$500,037	0.42%	\$458,644	0.47%	\$770,000	0.39%	\$325,000	0.46%	\$537,650	0.52%	\$163,600	0.20%	\$676,946	0.71%
<i>Construction Contract Administration</i>	\$3,405,050	2.42%	\$2,338,695	1.96%	\$2,493,217	2.56%	\$4,984,171	2.50%	\$1,890,531	2.68%	\$2,136,535	2.05%	\$1,943,300	2.35%	\$2,538,547	2.64%
<i>Closeout</i>	\$418,934	0.30%	\$500,038	0.42%	\$458,644	0.47%	\$996,000	0.50%	\$100,455	0.14%	\$115,000	0.11%	\$102,300	0.12%	\$169,236	0.18%
<i>Other Basic Services</i>																
Subtotal Designer Basic Services	\$14,284,710	10.15%	\$10,568,800	8.87%	\$10,146,120	10.44%	\$19,905,171	10.00%	\$7,150,986	10.14%	\$10,445,549	10.02%	\$8,547,200	10.33%	\$9,597,680	10.00%
Reimbursable Services																
<i>Construction Testing</i>					\$25,000	0.03%							\$25,000	0.03%	\$445,067	0.46%
<i>Printing (Over Minimum)</i>	\$25,000	0.02%	\$75,000	0.06%	\$30,000	0.03%	\$200,000	0.10%	\$15,000	0.02%	\$50,000	0.05%	\$30,000	0.04%	\$10,000	0.01%
<i>Other Reimbursable Costs</i>	\$200,000	0.14%	\$220,000	0.18%	\$100,000	0.10%	\$1,050,000	0.53%			\$150,000	0.14%	\$200,000	0.24%	\$310,546	0.32%
Sub-Consultants																
<i>Hazardous Materials</i>	\$383,000	0.27%	\$380,000	0.32%	\$100,000	0.10%	\$500,000	0.25%	\$180,000	0.26%	\$300,000	0.29%	\$185,000	0.22%	\$500,000	0.52%
<i>Geotech & Geotech Environment</i>	\$150,000	0.11%	\$95,000	0.08%	\$150,000	0.15%	\$750,000	0.38%	\$20,000	0.03%	\$90,000	0.09%	\$145,000	0.18%	\$500,000	0.52%
<i>Site Survey</i>			\$20,000	0.02%			\$200,000	0.10%			\$15,000	0.01%			\$60,000	0.06%
<i>Wetlands</i>	\$38,000	0.03%	\$20,000	0.02%											\$100,000	0.10%
<i>Traffic Studies</i>	\$5,000	0.00%	\$15,000	0.01%			\$200,000	0.10%					\$70,000	0.08%	\$200,000	0.21%
Total Designer Fees	\$15,085,710	10.72%	\$11,393,800	9.56%	\$10,551,120	10.85%	\$22,805,171	11.46%	\$7,365,986	10.45%	\$11,050,549	10.60%	\$9,202,200	11.12%	\$11,723,293	12.21%
Owner's Project Manager	Leftfield, LLC		Skanska USA Building, Inc		Compass Project Management, Inc.		PMA Consultants, LLC		Dore & Whittier Management Partners, Inc.		Colliers Project Leaders NE, LLC		Compass Project Management, Inc.		PMA Consultants, LLC	
<i>Feasibility Study</i>	\$500,000	0.36%	\$250,200	0.21%	\$295,000	0.30%	\$740,000	0.37%	\$401,277	0.57%	\$250,431	0.24%	\$375,000	0.45%	\$564,144	0.59%
<i>Design Development</i>	\$250,000	0.18%	\$288,255	0.24%	\$170,000	0.17%	\$284,884	0.14%	\$131,000	0.19%	\$171,585	0.16%	\$83,592	0.10%	\$297,544	0.31%
<i>Construction Contract Documents</i>	\$250,000	0.18%	\$528,468	0.44%	\$330,000	0.34%	\$654,709	0.33%	\$108,000	0.15%	\$257,378	0.25%	\$205,024	0.25%	\$362,835	0.38%
<i>Bidding</i>	\$100,000	0.07%	\$180,961	0.15%	\$50,000	0.05%			\$168,000	0.24%	\$257,614	0.25%	\$51,256	0.06%	\$232,807	0.24%
<i>Construction Contract Administration</i>	\$3,700,000	2.63%	\$2,831,788	2.38%	\$2,498,642	2.57%	\$5,333,326	2.68%	\$1,607,648	2.28%	\$2,573,775	2.47%	\$2,136,908	2.58%	\$1,813,717	1.89%
<i>Closeout</i>	\$204,648	0.15%	\$92,261	0.08%	\$225,000	0.23%	\$264,037	0.13%	\$140,000	0.20%	\$171,549	0.16%	\$65,483	0.08%	\$152,175	0.16%
<i>Extra Services</i>							\$1,000,000	0.50%					\$81,856	0.10%	\$100,000	0.10%
<i>Other Project Manager Costs</i>																
<i>Reimbursables & Other Services</i>			\$1,250	0.00%	\$11,000	0.01%	\$1,500,000	0.75%					\$5,000	0.01%	\$300,000	0.31%
<i>Cost Estimates</i>					\$50,000	0.05%	\$320,000	0.16%			\$55,500	0.05%	\$55,000	0.07%	\$90,900	0.09%
Total OPM Fees	\$5,004,648	3.56%	\$4,173,183	3.50%	\$3,629,642	3.73%	\$10,096,956	5.07%	\$2,555,925	3.62%	\$3,737,832	3.59%	\$3,059,119	3.70%	\$3,914,122	4.08%
Total Designer and OPM Fees	\$20,090,358	14.27%	\$15,566,983	13.06%	\$14,180,762	14.58%	\$32,902,127	16.53%	\$9,921,911	14.07%	\$14,788,381	14.19%	\$12,261,319	14.81%	\$15,637,415	16.29%
Total Construction Costs	\$140,773,848		\$119,200,892		\$97,228,730		\$199,051,710		\$70,509,857		\$104,223,800		\$82,769,898		\$95,976,807	

Date Board Approved	Dec-17		Feb-18		Feb-18		Aug-18		Feb-19		Apr-19		Apr-19		Apr-19	
District	Worcester		Attleboro		Fall River		Belmont		Waltham		Arlington		Central Berkshire		Lowell	
School Name	South HS Community		Attleboro HS		B M C Durfee HS		Belmont HS		Waltham Sr HS		Arlington HS		Wahconah Regional HS		Lowell HS	
Project Type	Core Program		Core Program		Core Program		Core Program		Core Program		Core Program		Core Program		Core Program	
Project Scope	New Construction		New Construction		Addition / Renovation		Addition / Renovation		New Construction		New Construction		New Construction		Addition / Renovation	
Enrollment	1,420		1,725		2,570		2,215		1,830		1,755		460		3,520	
GSF	359,994		476,425		501,330		445,100		414,854		408,590		122,760		622,777	
Assumed Start of Construction	Oct-18		May-19		Aug-18		Apr-19		Nov-21		Apr-19		Mar-20		Mar-21	
OPM	Turner & Townsend Heery		Skanska USA Building, Inc		Leftfield, LLC		CHA Consulting, Inc.		Leftfield, LLC		Skanska USA Building, Inc		Skanska USA Building, Inc		Skanska USA Building, Inc	
Designer	Lamoureux Pagano Associates Architects, Inc.		Kaestle Boos Associates, Inc.		Ai3 Architects LLC		Perkins+Will		Symmes Maini & McKee Associates, Inc.		HMFH Architects, Inc.		Drumme Rosane Anderson, Inc.		Perkins Eastman/DPC	
Cost Estimator	A M Fogarty & Associates Inc.		Miyakoda Consulting		Project Management & Cost		Project Management & Cost		A M Fogarty & Associates Inc.		Project Management & Cost		Ellana, Inc.		Project Management & Cost	
Description	Cost	% of Total Construction	Cost	% of Total Construction	Cost	% of Total Construction	Cost	% of Total Construction	Cost	% of Total Construction	Cost	% of Total Construction	Cost	% of Total Construction	Cost	% of Total Construction
Designer	Lamoureux Pagano Associates Architects, Inc.		Kaestle Boos Associates, Inc.		Ai3 Architects LLC		Perkins+Will		Symmes Maini & McKee Associates, Inc.		HMFH Architects, Inc.		Drumme Rosane Anderson, Inc.		Perkins Eastman/DPC	
Basic Services																
<i>Feasibility Study</i>	\$1,345,794	0.78%	\$725,000	0.32%	\$669,500	0.31%	\$1,196,000	0.51%	\$1,755,689	0.59%	\$1,500,000	0.64%	\$590,000	0.99%	\$2,021,284	0.75%
<i>Design Development</i>	\$3,567,240	2.06%	\$4,987,000	2.24%	\$6,008,720	2.76%	\$4,390,000	1.86%	\$6,309,500	2.11%	\$4,224,185	1.80%	\$1,507,000	2.53%	\$6,256,000	2.31%
<i>Construction Contract Documents</i>	\$5,284,800	3.06%	\$6,712,000	3.01%	\$9,295,101	4.27%	\$7,902,000	3.34%	\$12,000,000	4.01%	\$6,766,312	2.88%	\$2,249,000	3.77%	\$8,758,400	3.24%
<i>Bidding</i>	\$396,360	0.23%	\$374,000	0.17%	\$683,379	0.31%	\$1,756,000	0.74%	\$1,500,000	0.50%	\$422,419	0.18%	\$112,000	0.19%	\$1,751,680	0.65%
<i>Construction Contract Administration</i>	\$3,303,000	1.91%	\$4,753,000	2.13%	\$3,985,705	1.83%	\$6,093,500	2.57%	\$8,200,000	2.74%	\$9,293,210	3.95%	\$1,332,000	2.24%	\$7,507,200	2.78%
<i>Closeout</i>	\$660,600	0.38%	\$374,000	0.17%	\$357,950	0.16%	\$658,500	0.28%	\$600,000	0.20%	\$372,521	0.16%	\$66,000	0.11%	\$750,720	0.28%
<i>Other Basic Services</i>			\$748,000	0.34%	\$75,000	0.03%									\$221,782	0.08%
Subtotal Designer Basic Services	\$14,557,794	8.42%	\$18,673,000	8.37%	\$21,075,355	9.67%	\$21,996,000	9.29%	\$30,365,189	10.16%	\$22,578,647	9.60%	\$5,856,000	9.83%	\$27,267,066	10.08%
Reimbursable Services																
<i>Construction Testing</i>													\$50,000	0.08%		
<i>Printing (Over Minimum)</i>	\$50,000	0.03%			\$200,000	0.09%	\$60,000	0.03%			\$50,000	0.02%	\$10,000	0.02%	\$75,000	0.03%
<i>Other Reimbursable Costs</i>			\$325,000	0.15%	\$150,000	0.07%			\$800,000	0.27%	\$375,000	0.16%	\$70,000	0.12%	\$390,000	0.14%
Sub-Consultants																
<i>Hazardous Materials</i>	\$300,000	0.17%	\$450,000	0.20%	\$350,000	0.16%	\$275,000	0.12%	\$200,000	0.07%	\$525,000	0.22%	\$20,000	0.03%	\$409,750	0.15%
<i>Geotech & Geotech Environment</i>	\$100,000	0.06%	\$225,000	0.10%	\$150,000	0.07%	\$400,000	0.17%	\$4,000,000	1.34%	\$1,250,000	0.53%	\$84,000	0.14%	\$379,090	0.14%
<i>Site Survey</i>	\$50,000	0.03%	\$225,000	0.10%	\$45,000	0.02%			\$50,000	0.02%	\$100,000	0.04%	\$10,000	0.02%	\$20,450	0.01%
<i>Wetlands</i>	\$50,000	0.03%	\$95,000	0.04%	\$100,000	0.05%			\$25,000	0.01%	\$10,000	0.00%	\$10,000	0.02%	\$35,000	0.01%
<i>Traffic Studies</i>	\$50,000	0.03%	\$85,000	0.04%	\$25,000	0.01%			\$150,000	0.05%	\$75,000	0.03%	\$10,000	0.02%	\$80,000	0.03%
Total Designer Fees	\$15,157,794	8.77%	\$20,078,000	9.00%	\$22,095,355	10.14%	\$22,731,000	9.61%	\$35,590,189	11.91%	\$24,963,647	10.61%	\$6,120,000	10.27%	\$28,656,356	10.60%
Owner's Project Manager	Turner & Townsend Heery		Skanska USA Building, Inc		Leftfield, LLC		CHA Consulting, Inc.		Leftfield, LLC		Skanska USA Building, Inc		Skanska USA Building, Inc		Skanska USA Building, Inc	
<i>Feasibility Study</i>	\$347,802	0.20%	\$475,000	0.21%	\$380,500	0.17%	\$554,000	0.23%	\$428,348	0.14%	\$500,000	0.21%	\$260,000	0.44%	\$578,716	0.21%
<i>Design Development</i>	\$800,000	0.46%	\$738,600	0.33%	\$570,000	0.26%	\$315,000	0.13%	\$775,771	0.26%	\$738,194	0.31%	\$130,000	0.22%	\$729,750	0.27%
<i>Construction Contract Documents</i>	\$1,000,000	0.58%	\$1,542,000	0.69%	\$815,000	0.37%	\$345,000	0.15%	\$1,284,382	0.43%	\$1,564,643	0.66%	\$260,000	0.44%	\$1,244,505	0.46%
<i>Bidding</i>			\$397,735	0.18%	\$305,000	0.14%	\$60,000	0.03%	\$316,090	0.11%	\$360,097	0.15%	\$85,000	0.14%	\$477,080	0.18%
<i>Construction Contract Administration</i>	\$2,000,000	1.16%	\$4,255,000	1.91%	\$5,110,000	2.35%	\$5,836,000	2.47%	\$6,714,790	2.25%	\$4,355,342	1.85%	\$1,250,000	2.10%	\$6,187,485	2.29%
<i>Closeout</i>	\$200,000	0.12%	\$302,650	0.14%	\$305,000	0.14%	\$396,000	0.17%	\$508,967	0.17%	\$366,324	0.16%	\$110,000	0.18%	\$271,190	0.10%
<i>Extra Services</i>																
<i>Other Project Manager Costs</i>																
<i>Reimbursables & Other Services</i>									\$25,000	0.01%						
<i>Cost Estimates</i>	\$120,000	0.07%					\$240,000	0.10%								
Total OPM Fees	\$4,467,802	2.58%	\$7,710,985	3.46%	\$7,485,500	3.44%	\$7,746,000	3.27%	\$10,053,348	3.36%	\$7,884,600	3.35%	\$2,095,000	3.52%	\$9,488,726	3.51%
Total Designer and OPM Fees	\$19,625,596	11.35%	\$27,788,985	12.46%	\$29,580,855	13.58%	\$30,477,000	12.88%	\$45,643,537	15.27%	\$32,848,247	13.96%	\$8,215,000	13.79%	\$38,145,082	14.10%
Total Construction Costs	\$172,861,181		\$223,088,312		\$217,839,610		\$236,647,607		\$298,923,790		\$235,286,827		\$59,585,032		\$270,444,856	

Date Board Approved	Apr-19		Jun-19		Oct-19		Feb-20		Aug-20		Aug-21		Aug-21		Oct-21	
District	Pentucket		Saugus		Sharon		Nauset		Worcester		Northeast Metropolitan Regional Voc Tech		Stoneham		Bristol-Plymouth Regional Voc Tech	
School Name	Pentucket Regional Sr HS		Saugus HS		Sharon HS		Nauset Regional HS		Doherty Memorial HS		Northeast Metro Reg Voc		Stoneham HS		Bristol-Plymouth Voc Tech	
Project Type	Core Program		Core Program		Core Program		Core Program		Core Program		Core Program		Core Program		Core Program	
Project Scope	New Construction		New Construction		New Construction		Addition / Renovation		New Construction		New Construction		New Construction		New Construction	
Enrollment	965		1,360		1,250		905		1,670		1,600		695		1,434	
GSF	211,700		269,070		240,204		214,250		421,858		386,630		207,077		419,765	
Assumed Start of Construction	Apr-20		May-18		Aug-20		Jul-22		May-21		Jun-23		Oct-22		Apr-23	
OPM	The Vertex Companies, LLC		PMA Consultants, LLC		PMA Consultants, LLC		CHA Consulting, Inc.		Tishman Construction Corporation of MA		PMA Consultants, LLC		Symmes Maini & McKee Associates, Inc.		PMA Consultants, LLC	
Designer	Dore & Whittier Architects, Inc.		HMFH Architects, Inc.		Tappe Architects, Inc.		Flansburgh Associates, Inc.		Lamoureux Pagano Associates Architects, Inc.		Drummeay Rosane Anderson, Inc.		Perkins+Will		HMFH Architects, Inc.	
Cost Estimator	Project Management & Cost		Project Management & Cost		Project Management & Cost		Project Management & Cost		A M Fogarty & Associates Inc.		Rider Levett Bucknall		Project Management & Cost		Project Management & Cost	
Description	Cost	% of Total Construction	Cost	% of Total Construction	Cost	% of Total Construction	Cost	% of Total Construction	Cost	% of Total Construction	Cost	% of Total Construction	Cost	% of Total Construction	Cost	% of Total Construction
Designer	Dore & Whittier Architects, Inc.		HMFH Architects, Inc.		Tappe Architects, Inc.		Flansburgh Associates, Inc.		Lamoureux Pagano Associates Architects, Inc.		Drummeay Rosane Anderson, Inc.		Perkins+Will		HMFH Architects, Inc.	
Basic Services																
<i>Feasibility Study</i>	\$750,000	0.63%	\$1,228,720	0.96%	\$1,280,320	1.02%	\$1,045,000	1.00%	\$1,464,400	0.61%	\$1,380,305	0.57%	\$580,000	0.38%	\$701,000	0.29%
<i>Design Development</i>	\$3,692,175	3.11%	\$2,929,526	2.29%	\$2,300,000	1.83%	\$2,491,250	2.38%	\$5,397,690	2.26%	\$3,360,000	1.38%	\$3,233,800	2.11%	\$6,282,412	2.61%
<i>Construction Contract Documents</i>	\$3,320,670	2.80%	\$4,724,358	3.70%	\$3,450,000	2.74%	\$3,164,400	3.02%	\$7,854,500	3.29%	\$11,200,000	4.60%	\$4,921,000	3.21%	\$7,995,797	3.32%
<i>Bidding</i>	\$592,977	0.50%	\$383,056	0.30%	\$575,000	0.46%	\$433,600	0.41%	\$589,100	0.25%	\$1,120,000	0.46%	\$1,124,800	0.73%	\$630,069	0.26%
<i>Construction Contract Administration</i>	\$3,557,861	3.00%	\$3,639,033	2.85%	\$4,025,000	3.20%	\$3,374,400	3.22%	\$4,909,060	2.05%	\$5,264,000	2.16%	\$3,936,800	2.57%	\$7,078,405	2.94%
<i>Closeout</i>	\$437,052	0.37%	\$63,843	0.05%	\$1,150,000	0.91%	\$276,800	0.26%	\$981,800	0.41%	\$381,000	0.16%	\$423,600	0.28%	\$228,451	0.09%
<i>Other Basic Services</i>							\$184,550	0.18%								
Subtotal Designer Basic Services	\$12,350,735	10.42%	\$12,968,536	10.16%	\$12,780,320	10.16%	\$10,970,000	10.48%	\$21,196,550	8.87%	\$22,705,305	9.32%	\$14,220,000	9.27%	\$22,916,134	9.51%
Reimbursable Services																
<i>Construction Testing</i>											\$1,000,000	0.41%	\$60,000	0.04%		
<i>Printing (Over Minimum)</i>	\$30,000	0.03%	\$15,000	0.01%	\$15,000	0.01%	\$25,000	0.02%			\$50,000	0.02%	\$40,000	0.03%	\$50,000	0.02%
<i>Other Reimbursable Costs</i>	\$555,210	0.47%	\$150,000	0.12%	\$150,000	0.12%	\$10,000	0.01%			\$1,544,695	0.63%	\$320,000	0.21%	\$2,500,000	1.04%
Sub-Consultants																
<i>Hazardous Materials</i>	\$221,000	0.19%	\$400,000	0.31%	\$250,000	0.20%	\$200,000	0.19%			\$1,250,000	0.51%	\$269,830	0.18%	\$250,000	0.10%
<i>Geotech & Geotech Environment</i>	\$165,000	0.14%	\$100,000	0.08%	\$225,000	0.18%	\$125,000	0.12%			\$1,750,000	0.72%	\$657,170	0.43%	\$1,500,000	0.62%
<i>Site Survey</i>	\$15,000	0.01%			\$50,000	0.04%	\$20,000	0.02%			\$100,000	0.04%	\$44,000	0.03%	\$250,000	0.10%
<i>Wetlands</i>	\$15,000	0.01%	\$50,000	0.04%	\$125,000	0.10%					\$500,000	0.21%	\$20,000	0.01%	\$500,000	0.21%
<i>Traffic Studies</i>			\$25,000	0.02%	\$25,000	0.02%	\$20,000	0.02%			\$200,000	0.08%	\$209,000	0.14%	\$250,000	0.10%
Total Designer Fees	\$13,351,945	11.26%	\$13,708,536	10.74%	\$13,620,320	10.83%	\$11,370,000	10.86%	\$21,196,550	8.87%	\$29,100,000	11.95%	\$15,840,000	10.32%	\$28,216,134	11.71%
Owner's Project Manager	The Vertex Companies, LLC		PMA Consultants, LLC		PMA Consultants, LLC		CHA Consulting, Inc.		Tishman Construction Corporation of MA		PMA Consultants, LLC		Symmes Maini & McKee Associates, Inc.		PMA Consultants, LLC	
<i>Feasibility Study</i>	\$300,000	0.25%	\$621,280	0.49%	\$460,000	0.37%	\$255,000	0.24%	\$535,600	0.22%	\$360,000	0.15%	\$170,000	0.11%	\$350,000	0.15%
<i>Design Development</i>	\$200,466	0.17%	\$200,751	0.16%	\$295,000	0.23%	\$210,000	0.20%	\$199,889	0.08%	\$250,000	0.10%	\$380,000	0.25%	\$300,000	0.12%
<i>Construction Contract Documents</i>	\$357,751	0.30%	\$401,503	0.31%	\$675,000	0.54%	\$425,000	0.41%	\$502,339	0.21%	\$850,055	0.35%	\$640,000	0.42%	\$570,000	0.24%
<i>Bidding</i>	\$102,142	0.09%			\$7,725	0.01%	\$100,000	0.10%	\$109,144	0.05%			\$180,000	0.12%	\$280,000	0.12%
<i>Construction Contract Administration</i>	\$3,049,477	2.57%	\$3,212,021	2.52%	\$2,790,000	2.22%	\$2,610,000	2.49%	\$3,103,149	1.30%	\$6,412,950	2.63%	\$3,185,100	2.08%	\$6,620,000	2.75%
<i>Closeout</i>	\$160,806	0.14%	\$200,751	0.16%	\$225,000	0.18%	\$125,000	0.12%	\$937,474	0.39%	\$650,000	0.27%	\$220,000	0.14%	\$330,000	0.14%
<i>Extra Services</i>			\$200,000	0.16%	\$200,000	0.16%					\$1,014,944	0.42%	\$140,000	0.09%	\$1,500,000	0.62%
<i>Other Project Manager Costs</i>																
<i>Reimbursables & Other Services</i>	\$200,000	0.17%	\$350,000	0.27%	\$350,000	0.28%					\$1,500,000	0.62%	\$80,000	0.05%	\$2,500,000	1.04%
<i>Cost Estimates</i>			\$100,000	0.08%	\$20,000	0.02%					\$100,000	0.04%			\$300,000	0.12%
Total OPM Fees	\$4,370,642	3.69%	\$5,286,306	4.14%	\$5,022,725	3.99%	\$3,725,000	3.56%	\$5,387,595	2.26%	\$11,137,949	4.57%	\$4,995,100	3.26%	\$12,750,000	5.29%
Total Designer and OPM Fees	\$17,722,587	14.95%	\$18,994,842	14.88%	\$18,643,045	14.82%	\$15,095,000	14.42%	\$26,584,145	11.13%	\$40,237,949	16.52%	\$20,835,100	13.58%	\$40,966,134	17.01%
Total Construction Costs	\$118,540,836		\$127,685,356		\$125,792,153		\$104,708,165		\$238,910,676		\$243,591,092		\$153,418,660		\$240,885,538	

Date Board Approved	Dec-21		Mar-22		Mar-22		Jun-22		Dec-22		Aug-23		Aug-23		ALL - ALL HIGH SCHOOLS	
District	Greater Fall River Regional Voc Tech		Watertown		Webster		Spencer-E Brookfield		Wakefield		Nashoba		Tri County			
School Name	Diman Regional Voc Tech HS		Watertown HS		Bartlett Jr Sr HS Sch		David Prouty HS		Wakefield Memorial HS		Nashoba Regional		Tri County Reg Voc Tech			
Project Type	Core Program		Core Program		Core Program		Core Program		Core Program		Core Program		Core Program			
Project Scope	New Construction		New Construction		Addition / Renovation		Addition / Renovation		New Construction		New Construction		New Construction			
Enrollment	1,500		720		445		305		1,000		925		1,000			
GSF	394,650		258,914		161,436		126,823		259,847		209,529		281,500			
Assumed Start of Construction	Oct-23		Jul-23		Nov-23		Jun-23		Apr-24		Aug-24		Apr-25			
OPM	Colliers Project Leaders NE, LLC		Compass Project Management, Inc.		Colliers Project Leaders NE, LLC		Colliers Project Leaders NE, LLC		Leftfield, LLC		Skanska USA Building, Inc		Dore & Whittier Management Partners, Inc.			
Designer	Kaestle Boos Associates, Inc.		Ai3 Architects LLC		Flansburgh Associates, Inc.		Jones Whitsett Architects, Inc.		Symmes Maini & McKee Associates, Inc.		Kaestle Boos Associates, Inc.		Drumme Rosane Anderson, Inc.			
Cost Estimator	Project Management & Cost		Project Management & Cost		Project Management & Cost		Project Management & Cost		Project Management & Cost		Project Management & Cost		Ellana, Inc.			
Description	Cost	% of Total Construction	Cost	% of Total Construction	Cost	% of Total Construction	Cost	% of Total Construction	Cost	% of Total Construction	Cost	% of Total Construction	Cost	% of Total Construction	Cost	% of Total Construction
Designer	Kaestle Boos Associates, Inc.		Ai3 Architects LLC		Flansburgh Associates, Inc.		Jones Whitsett Architects, Inc.		Symmes Maini & McKee Associates, Inc.		Kaestle Boos Associates, Inc.		Drumme Rosane Anderson, Inc.			
Basic Services																
<i>Feasibility Study</i>	\$1,025,000	0.42%	\$2,113,841	1.52%	\$750,000	0.96%	\$560,000	0.61%	\$1,288,790	0.58%	\$1,000,000	0.50%	\$699,996	0.30%	\$38,737,004	0.68%
<i>Design Development</i>	\$5,382,000	2.22%	\$3,834,598	2.77%	\$2,000,000	2.56%	\$1,976,106	2.17%	\$4,454,590	2.02%	\$3,391,500	1.70%	\$7,500,000	3.22%	\$126,628,338	2.22%
<i>Construction Contract Documents</i>	\$10,296,000	4.25%	\$5,873,976	4.24%	\$3,000,000	3.84%	\$3,007,118	3.30%	\$8,909,180	4.04%	\$8,139,600	4.09%	\$9,550,000	4.09%	\$207,373,549	3.63%
<i>Bidding</i>	\$693,225	0.29%	\$376,753	0.27%	\$400,000	0.51%	\$429,588	0.47%	\$890,910	0.40%	\$390,000	0.20%	\$150,000	0.06%	\$22,124,212	0.39%
<i>Construction Contract Administration</i>	\$4,505,963	1.86%	\$2,299,373	1.66%	\$2,487,300	3.18%	\$3,007,118	3.30%	\$5,784,290	2.62%	\$5,108,400	2.57%	\$3,800,000	1.63%	\$141,935,869	2.48%
<i>Closeout</i>	\$404,381	0.17%	\$202,886	0.15%	\$200,000	0.26%	\$171,837	0.19%	\$1,113,650	0.51%	\$395,000	0.20%	\$150,000	0.06%	\$14,288,472	0.25%
<i>Other Basic Services</i>	\$150,000	0.06%			\$150,000	0.19%							\$100,000	0.04%	\$2,480,562	0.04%
Subtotal Designer Basic Services	\$22,456,569	9.27%	\$14,701,427	10.60%	\$8,987,300	11.49%	\$9,151,767	10.03%	\$22,441,410	10.18%	\$18,424,500	9.25%	\$21,949,996	9.41%	\$553,568,006	9.69%
Reimbursable Services																
<i>Construction Testing</i>					\$100,000	0.13%	\$50,000	0.05%					\$25,000	0.01%	\$2,014,567	0.04%
<i>Printing (Over Minimum)</i>	\$50,000	0.02%			\$15,000	0.02%	\$50,000	0.05%					\$10,000	0.00%	\$1,641,000	0.03%
<i>Other Reimbursable Costs</i>	\$150,000	0.06%	\$661,184	0.48%	\$10,000	0.01%	\$150,000	0.16%	\$430,000	0.20%	\$300,000	0.15%	\$20,000	0.01%	\$11,482,935	0.20%
Sub-Consultants																
<i>Hazardous Materials</i>	\$350,000	0.14%	\$365,400	0.26%	\$140,000	0.18%	\$350,000	0.38%	\$275,000	0.12%	\$250,000	0.13%	\$400,000	0.17%	\$10,986,715	0.19%
<i>Geotech & Geotech Environment</i>	\$225,000	0.09%	\$170,160	0.12%	\$115,000	0.15%	\$225,000	0.25%	\$315,000	0.14%	\$350,000	0.18%	\$300,000	0.13%	\$15,416,420	0.27%
<i>Site Survey</i>	\$125,000	0.05%	\$33,000	0.02%	\$50,000	0.06%	\$125,000	0.14%	\$75,000	0.03%	\$250,000	0.13%	\$100,000	0.04%	\$2,132,150	0.04%
<i>Wetlands</i>	\$30,000	0.01%			\$25,000	0.03%	\$50,000	0.05%	\$20,000	0.01%	\$60,000	0.03%			\$1,929,000	0.03%
<i>Traffic Studies</i>	\$50,000	0.02%	\$16,720	0.01%	\$30,000	0.04%	\$75,000	0.08%	\$110,000	0.05%			\$40,000	0.02%	\$2,109,220	0.04%
Total Designer Fees	\$23,436,569	9.67%	\$15,947,891	11.50%	\$9,472,300	12.12%	\$10,226,767	11.21%	\$23,666,410	10.74%	\$19,634,500	9.86%	\$22,844,996	9.79%	\$601,280,013	10.52%
Owner's Project Manager	Colliers Project Leaders NE, LLC		Compass Project Management, Inc.		Colliers Project Leaders NE, LLC		Colliers Project Leaders NE, LLC		Leftfield, LLC		Skanska USA Building, Inc		Dore & Whittier Management Partners, Inc.			
<i>Feasibility Study</i>	\$475,000	0.20%	\$503,580	0.36%	\$250,000	0.32%	\$290,000	0.32%	\$711,210	0.32%	\$500,000	0.25%	\$300,004	0.13%	\$15,174,009	0.27%
<i>Design Development</i>	\$384,139	0.16%	\$163,704	0.12%	\$170,877	0.22%	\$147,130	0.16%	\$665,798	0.30%	\$578,940	0.29%	\$700,000	0.30%	\$12,342,369	0.22%
<i>Construction Contract Documents</i>	\$753,215	0.31%	\$379,488	0.27%	\$209,153	0.27%	\$294,262	0.32%	\$1,018,280	0.46%	\$1,986,940	1.00%	\$1,200,000	0.51%	\$22,845,719	0.40%
<i>Bidding</i>	\$456,740	0.19%	\$130,849	0.09%	\$82,116	0.11%	\$176,560	0.19%	\$254,570	0.12%	\$415,720	0.21%	\$200,000	0.09%	\$6,200,856	0.11%
<i>Construction Contract Administration</i>	\$5,597,997	2.31%	\$3,266,430	2.36%	\$1,977,563	2.53%	\$2,206,965	2.42%	\$5,483,045	2.49%	\$3,426,680	1.72%	\$4,700,000	2.01%	\$129,979,058	2.27%
<i>Closeout</i>	\$499,793	0.21%	\$61,378	0.04%	\$169,335	0.22%	\$117,701	0.13%	\$411,288	0.19%	\$482,800	0.24%	\$200,000	0.09%	\$9,109,920	0.16%
<i>Extra Services</i>													\$50,000	0.02%	\$4,480,912	0.08%
<i>Other Project Manager Costs</i>																
<i>Reimbursables & Other Services</i>			\$5,000	0.00%					\$25,000	0.01%			\$10,000	0.00%	\$6,928,250	0.12%
<i>Cost Estimates</i>	\$100,000	0.04%	\$91,000	0.07%	\$50,000	0.06%	\$40,000	0.04%	\$75,000	0.03%			\$25,000	0.01%	\$2,283,950	0.04%
Total OPM Fees	\$8,266,884	3.41%	\$4,601,429	3.32%	\$2,909,044	3.72%	\$3,272,618	3.59%	\$8,644,191	3.92%	\$7,391,080	3.71%	\$7,385,004	3.17%	\$209,345,043	3.66%
Total Designer and OPM Fees	\$31,703,453	13.08%	\$20,549,320	14.82%	\$12,381,344	15.84%	\$13,499,385	14.80%	\$32,310,601	14.66%	\$27,025,580	13.57%	\$30,230,000	12.96%	\$810,625,056	14.19%
Total Construction Costs	\$242,300,294		\$138,651,235		\$78,185,900		\$91,217,674		\$220,459,379		\$199,134,701		\$233,267,235		\$5,714,589,047	