PROJECT MINUTES

Project:	Peebles Elementary School Feasibility Study	Project No.:	15041
Prepared by:	Joel Seeley	Meeting Date:	3/24/2016
Re:	School Building Committee Meeting	Meeting No:	14
Location:	Bourne Veteran's Memorial Community Center	Time:	6:30pm
Distribution:	School Building Committee Members, Attendees (MF)		

Attendees:

PRESENT	NAME	AFFILIATION	VOTING MEMBER
✓	James L. Potter	Chairman, School Building Committee	**Voting Member**
✓	Peter J. Meier	Board of Selectmen	**Voting Member**
✓	Christopher Hyldburg	Chairman, School Committee	**Voting Member**
✓	Mitch McClain	Member, School Committee	**Voting Member**
✓	Natasha Scarpato	Member at Large	**Voting Member**
✓	Richard A. Lavoie	Finance Committee	**Voting Member**
✓	William Meier	Building Trade Expert	**Voting Member**
✓	Mary Jo Coggeshall	Member at Large	**Voting Member**
	Frederick H. Howe	Board of Health	**Voting Member**
✓	Steven M. Lamarche	Superintendent of Schools, BPS	**Voting Member**
✓	Edward S. Donoghue	Director of Business Services, BPS	Non-Voting Member
	Thomas M. Guerino	Town Administrator	Non-Voting Member
✓	Jonathan Nelson	Director of Facilities, Town of Bourne	Non-Voting Member
✓	Elizabeth A. Carpenito	Principal, BES	Non-Voting Member
✓	Kathy Anderson	Elementary/Special Education Secretary	Non-Voting Member
✓	Janey Norton	Principal, PES	
✓	Kent Kovacs	FAI, Architect	
	Betsy Farrell Garcia	FAI, Architect	
	Michael Cimorelli	FAI, Architect	
✓	Joel Seeley	SMMA, OPM	

Item #	Action	Discussion
14.1	Record	Call to Order, 6:30 PM, meeting opened.
14.2	Record	A motion was made by P. Meier and seconded by M. McClain to approve the 3/10/16 School Building Committee meeting minutes. No discussion, motion passed unanimous by those attending, one abstention.
14.3	Record	J. Seeley distributed and reviewed the Project Budget Status Report, dated 2/29/16, attached.
14.4	J. Seeley	J. Seeley distributed and reviewed the updated Meetings Schedule and Agendas, dated 3/17/16, attached. Committee Discussion: 1. J. Seeley to post the schedule on the Town's Project Website.
14.5	J. Nelson	J. Nelson will review with other Town groups and develop a listing of potential options for Peebles for the next Committee meeting.
14.6	Record	J. Nelson reviewed the cut sheets for the HVAC equipment provided by FAI and had the following comment: 1. FAI to make sure the final specifications include a slide-out type enthalpy wheel which will make future wheel replacements less costly.
14.7	Record	K. Kovacs contacted Cape Light Compact regarding incentives for replacing the existing fluorescent interior light fixtures with LED fixtures and indicated the final determination would need to happen during a future phase of design when the fixture types are selected.
14.8	J. Nelson J. Seeley K. Kovacs	J. Nelson provided a copy of the contract documents for the DPW project to J. Seeley and K. Kovacs. The site work self-performed by the Town was noted on the drawings. A separate set of contract documents defining only the Town work was not prepared. J. Nelson, K. Kovacs and J. Seeley to review the impact of a similar scope relative to the Options.
14.9	J. Seeley	J. Seeley to verify with MSBA if the cost for the Data Clerk position for the School Administration will be eligible for reimbursement.
14.10	K. Kovacs	J. Seeley summarized the meeting with MSBA held on 3/14/16 attended by S. Lamarche, C. Hyldburg, K. Kovacs and J. Seeley to review MSBA's grant for Option 2A. MSBA indicated they would participate in the reimbursement for the new construction only, that is the building additions, and not participate in any of the costs for the renovations. They would also not apply any Cost Recovery from the original Bournedale grant. MSBA recommends the Town review the design of the two new classrooms over the existing 1rst grade classrooms to determine if they can be located in the building addition. Committee Discussion: 1. K. Kovacs indicated FAI made a preliminary review of the two classrooms and the design may work for them in the addition. FAI will provide direction at the next Committee meeting.

Item #	Action	Discussion
14.11	Record	J. Seeley indicated MSBA reiterated their concerns at the 3/14/16 meeting relative to the Town self-performing some of the sitework, similar to the DPW project. Some of the concerns are : 1. MSBA is concerned with insurance requirements and liabilities. 2. How would the Town protect itself and MSBA should there be a construction issue caused by the Town's work? 3. How will the MSBA and the Town be protected with multiple and potentially overlapping work responsibilities? 4. Will the work be performed by current Town employees or will they need to be hired? 5. The MSBA will not reimburse for labor provided by Town employees. 6. Would the Town use current equipment or purchase new, costs for equipment and use may not be reimbursable.
14.12	Record	K. Kovacs provided a copy of the detailed construction estimate for Options 1A, 2A, 4A and 4B, attached.
14.13	K. Kovacs J. Seeley	J. Seeley distributed and reviewed a letter from S. Lamarche to MSBA, dated 3/16/16 requesting approval to add an Option 5 to the Feasibility Study, which would be to convert Bournedale to a District-Wide PK-2 and Peebles to a District-Wide Grade 3-5. J. Seeley distributed and reviewed a letter from MSBA to S. Lamarche, dated 3/24/16 providing approval to add Option 5 with a design enrollment of 460 students to the Feasibility Study and requesting an updated Study Enrollment Certification be executed. Committee Discussion: 1. S. Lamarche indicated that Option 5 emerged from the discussions at the Community Forums, MSBA and the Administrative leadership meetings. S. Lamarche reviewed the benefits and concerns with the District-Wide PK-2, 3-5, 6-8 strategy listed in the 3/16/16 letter. 2. J. Potter asked if S. Lamarche believed the 460 student design enrollment was suitable? *S. Lamarche indicated MSBA developed the design enrollment, similar to all the prior design enrollments. They base their projections on a 10 year population projection.* 3. J. Potter asked if Bournedale would require any renovations to convert to a PK-2? *S. Lamarche indicated no, Bournedale would not require any renovations.* 4. P. Meier asked if the Town would still use the lottery system for full-day kindergarten? *S. Lamarche indicated that all of the original options: 1A, 2A, 4A and 4B incorporate a full-day kindergarten and once constructed, the lottery system will no longer be needed. E. Donoghue indicated currently, full-day kindergarten demand is about one classroom space short of being met.* 5. R. Lavoie asked how will the operating budget be affected by full-day kindergarten?

Item #	Action	Discussion
		S. Lamarche indicated the School Committee will review and plan for as the project develops. A motion was made by S. Lamarche and seconded by P. Meier to add Option 5 with a design enrollment of 460 students to the Feasibility Study and execute the updated Study Enrollment Certification. No discussion, motion passed unanimous by those attending. K. Kovacs and J. Seeley to develop the design and cost estimate for Option 5 for the next Committee meeting.
14.14	Record	S. Lamarche indicated he was contacted by the press who asked about an option 6, which was described as a do-nothing option and an option 7, which was described as eliminating Peebles and re-configuring the remaining three schools. Committee Discussion: 1. J. Potter indicated these options are not part of the Feasibility Study. By Town Meeting vote, the Committee is required to perform the Feasibility Study for the Peebles School, which the MSBA recognized as a priority project with their approval of the Statement of Interest, so doing nothing is not an option. Further, re-configuring all the town's schools is not within the scope of the committee.
14.15	J. Seeley S. Lamarche	J. Potter led a discussion on the results of the SurveyMonkey Community Questionnaire, attached, reviewing the results of each question, summarized as follows: 1. Question 1 – over 70% of the 437 respondents were parents, residents and registered voters. 2. Question 2 – over 70% of the respondents hold no sentimental value for the existing Peebles school. 3. Question 3 – the respondents equally support a stand-alone school project or a school project, police project and fire project. 4. Question 4 – the top three priorities of the respondents are 1) education, 2) maintain two elementary schools, and 3) cost. 5. Questions 5 and 6 – lists responder comments Committee Discussion: 1. S. Lamarche indicated he was pleased to see in Question 4 that education was the respondent's top priority. 2. S. Lamarche indicated it is important to note that in Question 3, only 3% of the respondents indicated no support for a project. 3. J. Seeley to post the results of the Survey on the Town's project website. 4. C. Hyldburg recommended a second SurveyMonkey Community Questionnaire be completed with Option 5 information prior to the Committee's preliminary decision on the preferred option on 4/21/16. The School Administration will develop the survey with questions input by the Committee.
14.16	J. Potter S. Lamarche K. Kovacs J. Seeley	Old or New Business: 1. J. Potter indicated the Committee has been requested to provide a progress presentation to the Finance Committee on 3/28/16. J. Potter, S. Lamarche, K. Kovacs and J. Seeley will attend.

Item #	Action	Discussion
14.17	Record	Public Comments: 1. How many Bourne residents send their children to Bourne Public Schools? 2. The fewer school transitions for the elementary children the better. 3. Are the MSBA's enrollment projections too low? 4. What is the MSBA's average class size? 5. Will Bournedale be fully utilized under Option 5? 6. Will the Bournedale, Peebles, Middle School and High School be fully utilized under Option 5? 7. What justifies any of the Options to be brought before Town Meeting requesting project funding? 8. Will the School Committee provide a strong statement on which Option they prefer? 9. Consider the families, under Option 5, that may have children in Bournedale and Peebles at the same time.
14.18	Record	**Community Forum No. 6: March 31, 2016 at 6:00 pm** at the Bournedale.
14.19	Record	Next **SBC Meeting: April 7, 2016 at 6:30 pm** at the Bourne Veteran's Memorial Community Center.
14.20	Record	A Motion was made by S. Lamarche and seconded by R. Lavoie to adjourn the meeting. No discussion, voted unanimously.

Attachments: Agenda, Project Budget Status Report, Meetings Schedule and Agendas, Construction estimate for Options 1A, 2A, 4A and 4B, S. Lamarche letter to MSBA, dated 3/16/16, MSBA letter to S. Lamarche, dated 3/24/16, SurveyMonkey Community Questionnaire

The information herein reflects the understanding reached. Please contact the author if you have any questions or are not in agreement with these Project Minutes

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PROJECT MEETING SIGN-IN SHEET

Project:	Peebles Elementary School Feasibility Study	Project No.:	15041
Prepared by:	Joel Seeley	Meeting Date:	3/24/2016
Re:	School Building Committee Meeting	Meeting No:	14
Location:	Bourne Veterans Memorial Community Center, 234 Main Street, Buzzards Bay, Massachusetts	Time:	6:30pm
Distribution:	Attendees, (MF)		

SIGNATURE	ATTENDEES	EMAIL	AFFILIATION
	James L. Potter	onsetjp@juno.com	Chairman, School Building Committee
	Peter J. Meier	pmeier@townofbourne.com	Bourne Board of Selectmen
	Christopher Hyldburg	chrish@alpha-1.com	Chairman, Bourne School Committee
	Mitch McClain	mitchmcclain@comcast.net	Member, Bourne School Committee
	Natasha Scarpato	scarpato4@comcast.net	Member-At-Large
	Richard A. Lavoie	Richl.Lavoie@gmail.com	Member, Bourne Finance Committee
	William Meier	Dusty22752@aol.com	Building Trade Expert
	Mary Jo Coggeshall	mjcoggeshall@bourneps.org	At-Large
	Frederick H. Howe	rickhowe9@gmail.com	Board of Health
	Steven M. Lamarche	slamarche@bourneps.org	Superintendent of Schools, BPS
	Edward S. Donoghue	EDonoghue@bourneps.org	Director of Business Services, BPS
	Thomas M. Guerino	tguerino@townofbourne.com	Town Administrator
	Jonathan Nelson	jnelson@townofbourne.com	Director of Facilities, Town of Bourne
	Elizabeth A. Carpenito	ecarpenito@bourneps.org	Principal, BES
	Kathy Anderson	kanderson@bourneps.org	Elementary/Special Education Secretary
	Janey Norton	jnorton@bourneps.org	Principal, PES
	Kent Kovacs	kkovacs@flansburgh.com	Flansburgh Architects
	Betsy Farrell Garcia	bgarcia@flansburgh.com	Flansburgh Architects
	Joel Seeley	jseeley@smma.com	SMMA

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AGENDA

Project:	Peebles Elementary School Feasibility Study	Project No.:	15041
Re:	School Building Committee Meeting	Meeting Date:	3/24/2016
Meeting Location:	Bourne Veterans Memorial Community Center		
Prepared by:	Joel Seeley	Meeting Time:	6:30 PM
Distribution:	Committee Members (MF)	Meeting No.:	14

1. Call to Order
2. Approval of Minutes
3. Approval of Invoices and Commitments
4. Review Option No. 5
5. Discuss Other Options
6. Review SurveyMonkey Results
7. Prepare for Community Forum No. 6
8. Old or New Business
9. Public Comments
10. Next Meeting – April 7, 2016
11. Adjourn

SYMMES MAINI & McKEE ASSOCIATES
1000 MASSACHUSETTS AVENUE
CAMBRIDGE, MASSACHUSETTS 02138
T. 617.547.5400 F. 800.648.4920
www.smma.com

| CHAPEL HILL, NORTH CAROLINA | PROVIDENCE, RHODE ISLAND

Peebles Elementary School
Bourne, Massachusetts

TOTAL PROJECT BUDGET STATUS REPORT

ProPay Code	Description	Total Project Budget	Authorized Changes	Revised Total Budget	Total Committed	Budget Balance	% Comtd to Date	Actual Spent to Date	% Spent to Date	Projected Expenditure/ Commitments	Balance to Spend
	FEASIBILITY STUDY AGREEMENT										
0001-0000	OPM Feasibility Study/Schematic Design	$ 140,000.00	$ (15,000.00)	$ 125,000.00	$ 125,000.00	$ -	100%	$ 36,750.00	29%	$ 88,250.00	$ 88,250.00
0002-0000	A/E Feasibility Study/Schematic Design	$ 500,000.00	$ (135,000.00)	$ 365,000.00	$ 365,000.00	$ -	100%	$ 125,000.00	34%	$ 240,000.00	$ 240,000.00
0003-0000	Environmental & Site	$ 90,000.00	$ 50,000.00	$ 140,000.00	$ 65,648.00	$ 74,352.00	47%	$ 49,148.00	75%	$ 16,500.00	$ 90,852.00
0004-0000	Other	$ 20,000.00	$ 100,000.00	$ 120,000.00	$ 672.13	$ 119,327.87	1%	$ 672.13	100%	$ -	$ 119,327.87
	SUBTOTAL	**$ 750,000.00**		**$ 750,000.00**	**$ 556,320.13**	**$ 193,679.87**	**74%**	**$ 211,570.13**	**38%**	**$ 344,750.00**	**$ 538,429.87**

SCHOOL BUILDING COMMITTEE
PEEBLES ELEMENTARY SCHOOL

All meetings held at the
Bourne Veterans Memorial Community Center at 6:30 PM
unless otherwise noted

MEETINGS SCHEDULE AND AGENDAS
November 25, 2015 ***Updated March 17, 2016***

DATE	AGENDA
Feasibility Study Phase (PSR)	
January 7, 2016	SCHOOL BUILDING COMMITTEE MEETING
	Review Preferred Alternative Goals
	Prepare for Community Forum
January 21, 2016	COMMUNITY FORUM NO. 4 - 6:00 to 8:00 PM - BOURNEDALE ELEMENTARY SCHOOL CAFETERIA
February 4, 2016	SCHOOL BUILDING COMMITTEE MEETING
	Review Community Forum Comments
	Structural Narrative Review
	MEP Systems Narrative Review
	Update on Construction Alternatives
	Review MSBA Comments on PDP Submission
February 18, 2016	SCHOOL BUILDING COMMITTEE MEETING
	Update on Construction Alternatives
	Prepare for Community Forum
March 3, 2016	COMMUNITY FORUM NO. 5 - 6:00 to 8:00 PM - PEEBLES ELEMENTARY SCHOOL CAFETERIA
March 10, 2016	SCHOOL BUILDING COMMITTEE MEETING - 7:00PM
	Review Community Forum Comments
	Update on Sustainable Design Goals
	Update on Construction Alternatives
	Review Cost Models
March 24, 2016	SCHOOL BUILDING COMMITTEE MEETING
	Review Option No. 5
	Discuss Other Options
	Review SurveyMonkey Results
	Prepare for Community Forum No. 6
March 31, 2016	COMMUNITY FORUM NO. 6 - 6:00 to 8:00 PM - BOURNEDALE ELEMENTARY SCHOOL CAFETERIA
April 7, 2016	SCHOOL BUILDING COMMITTEE MEETING
	Review Community Forum Comments
	Review Options
	Review Cost Models
April 21, 2016	SCHOOL BUILDING COMMITTEE MEETING
	Preliminary Discussion on Deciding the One Preferred Construction Alternative
	Prepare for Community Forum No. 7
May 5, 2016	COMMUNITY FORUM NO. 7 - 6:00 to 8:00 PM - PEEBLES ELEMENTARY SCHOOL CAFETERIA
May 12, 2016	SCHOOL BUILDING COMMITTEE MEETING
	Review Community Forum Comments
	Decide the One Preferred Construction Alternative
May 26, 2016	SCHOOL BUILDING COMMITTEE MEETING
	Vote to Submit Preferred Schematic Report to MSBA
June 2, 2016	*SUBMIT PREFERRED SCHEMATIC REPORT PACKAGE TO MSBA*
	ADDITIONAL MEETINGS TO BE SCHEDULED

Feasibility Design Submission

Bourne Elementary Schools
Design Options

Bourne, MA

PM&C LLC
20 Downer Avenue
Hingham, MA 02043
(T) 781-740-8007
(F) 781-740-1012

Prepared for:

Flansburgh Architects

March 7, 2016

Bourne Elementary Schools
Design Options
Bourne, MA

07-Mar-16

Feasibility Design Submission

MAIN CONSTRUCTION COST SUMMARY

	Construction Start	Gross Floor Area	$/sf	Estimated Construction Cost
OPTION 0 - CODE REPAIRS RENOVATION TO PEEBLES ES				
RENOVATION		37,557	$186.54	$7,005,729
REMOVE HAZARDOUS MATERIALS - Allowance				$772,100
SITEWORK - Allowance for ADA upgrades only				$250,000
SUB-TOTAL	Sep-17	37,557	$213.75	$8,027,829
ESCALATION TO START - (assumed 4% PA)	7%			$561,948
DESIGN AND PRICING CONTINGENCY	12%			$963,339
SUB-TOTAL	Sep-17	37,557	$254.36	$9,553,116
GENERAL CONDITIONS	16	MTHS	$80,000	$1,280,000
GENERAL REQUIREMENTS	3.00%			$286,593
BONDS	1.25%			$119,414
INSURANCE	1.15%			$109,861
PERMIT				NIC
OVERHEAD AND FEE	2.5%			$238,828
GMP CONTINGENCY	2%			$191,062
PHASING PREMIUM	3%			$286,593
TOTAL OF ALL CONSTRUCTION OPTION 0	Sep-17	37,557	$321.26	**$12,065,467**

Bourne Elementary Schools
Design Options
Bourne, MA

07-Mar-16

Feasibility Design Submission

OPTION 1A - NEW CONSTRUCTION PEEBLES ES SITE

DEMOLISH EXISTING BUILDING			55,000	$8.00	$440,000
NEW BUILDING			57,248	$282.26	$16,159,084
REMOVE HAZARDOUS MATERIALS - Allowance					$772,100
SITEWORK					$2,844,111
SUB-TOTAL	Sep-17		57,248	$353.12	$20,215,295
ESCALATION TO START - (assumed 4% PA)	7%				$1,415,071
DESIGN AND PRICING CONTINGENCY	12%				$2,425,835
SUB-TOTAL	Sep-17		57,248	$420.21	$24,056,201
GENERAL CONDITIONS		24	MTHS	$80,000	$1,920,000
GENERAL REQUIREMENTS	3.00%				$721,686
BONDS	1.25%				$300,703
INSURANCE	1.15%				$276,646
PERMIT					NIC
OVERHEAD AND FEE	2.5%				$601,405
GMP CONTINGENCY	2%				$481,124
TOTAL OF ALL CONSTRUCTION OPTION 1A	Sep-17		57,248	$495.35	**$28,357,765**

Bourne Elementary Schools
Design Options
Bourne, MA

07-Mar-16

Feasibility Design Submission

OPTION 2A - ADD/RENOVATION BOURNEDALE ES SITE

DEMOLISH EXISTING BUILDING					NIC
NEW ADDITION			46,493	$287.12	$13,349,218
RENOVATION			68,100	$63.67	$4,335,771
SITEWORK					$3,190,484
SUB-TOTAL	Sep-17		114,593	$182.17	$20,875,473
ESCALATION TO START - (assumed 4% PA)	7%				$1,461,283
DESIGN AND PRICING CONTINGENCY	12%				$2,505,057
SUB-TOTAL	Sep-17		114,593	$216.78	$24,841,813
GENERAL CONDITIONS		26	MTHS	$80,000	$2,080,000
GENERAL REQUIREMENTS	3.00%				$745,254
BONDS	1.25%				$310,523
INSURANCE	1.15%				$285,681
PERMIT					NIC
OVERHEAD AND FEE	2.5%				$621,045
GMP CONTINGENCY	2%				$496,836
PHASING PREMIUM	1.5%				$372,627
TOTAL OF ALL CONSTRUCTION OPTION 2A	Sep-17		114,593	$259.65	**$29,753,779**

Bourne Elementary Schools
Design Options
Bourne, MA

07-Mar-16

Feasibility Design Submission

OPTION 4A - NEW CONSTRUCTION PEEBLES ES SITE

DEMOLISH EXISTING BUILDING		55,000	$8.00	$440,000
NEW BUILDING		72,473	$259.47	$18,804,227
REMOVE HAZARDOUS MATERIALS - Allowance				$772,100
SITEWORK				$2,998,511
SUB-TOTAL	Sep-17	72,473	$317.56	$23,014,838
ESCALATION TO START - (assumed 4% PA)	7%			$1,611,039
DESIGN AND PRICING CONTINGENCY	12%			$2,761,781
SUB-TOTAL	Sep-17	72,473	$377.90	$27,387,658
GENERAL CONDITIONS	24	MTHS	$80,000	$1,920,000
GENERAL REQUIREMENTS	3.00%			$821,630
BONDS	1.25%			$342,346
INSURANCE	1.15%			$314,958
PERMIT				NIC
OVERHEAD AND FEE	2.5%			$684,691
GMP CONTINGENCY	2%			$547,753
TOTAL OF ALL CONSTRUCTION OPTION 4A	Sep-17	72,473	$441.81	**$32,019,036**

Bourne Elementary Schools
Design Options
Bourne, MA

07-Mar-16

Feasibility Design Submission

OPTION 4B - ADD/RENOVATION PEEBLES ES SITE

DEMOLISH EXISTING BUILDING			8,840	$8.00	$70,720
NEW ADDITION			34,886	$273.61	$9,545,042
RENOVATION			37,557	$245.31	$9,213,282
REMOVE HAZARDOUS MATERIALS - Allowance					$772,100
SITEWORK					$2,904,788
SUB-TOTAL	Sep-17		72,443	$310.67	$22,505,932
ESCALATION TO START - (assumed 4% PA)	7%				$1,575,415
DESIGN AND PRICING CONTINGENCY	12%				$2,700,712
SUB-TOTAL	Sep-17		72,443	$369.70	$26,782,059
GENERAL CONDITIONS		30	MTHS	$80,000	$2,400,000
GENERAL REQUIREMENTS	3.00%				$803,462
BONDS	1.25%				$334,776
INSURANCE	1.15%				$307,994
PERMIT					NIC
OVERHEAD AND FEE	2.5%				$669,551
GMP CONTINGENCY	2%				$535,641
PHASING PREMIUM	3.0%				$803,462
TOTAL OF ALL CONSTRUCTION OPTION 4B	Sep-17		72,443	$450.52	**$32,636,945**

Bourne Elementary Schools
Design Options 07-Mar-16
Bourne, MA

Feasibility Design Submission

Assumed CMr procurement

This Feasibility cost estimate was produced from drawings, outline specifications and other documentation prepared by Flansburgh Architects and their design team dated November 23, 2015. Design and engineering changes occurring subsequent to the issue of these documents have not been incorporated in this estimate.

This estimate includes all direct construction costs, construction manager's overhead, fee and design contingency. Cost escalation assumes start dates indicated.

Bidding conditions are expected to be public bidding under Chapter 149a of the Massachusetts General Laws to pre-qualified construction managers, and pre-qualified sub-contractors, open specifications for materials and manufactures.

The estimate is based on prevailing wage rates for construction in this market and represents a reasonable opinion of cost. It is not a prediction of the successful bid from a contractor as bids will vary due to fluctuating market conditions, errors and omissions, proprietary specifications, lack or surplus of bidders, perception of risk, etc. Consequently the estimate is expected to fall within the range of bids from a number of competitive contractors or subcontractors, however we do not warrant that bids or negotiated prices will not vary from the final construction cost estimate.

ITEMS NOT CONSIDERED IN THIS ESTIMATE

Items not included in this estimate are:

- Land acquisition, feasibility, and financing costs
- All professional fees and insurance
- Site or existing conditions surveys investigations costs, including to determine subsoil conditions
- All Furnishings, Fixtures and Equipment
- Items identified in the design as Not In Contract (NIC)
- Items identified in the design as by others
- Owner supplied and/or installed items as indicated in the estimate
- Utility company back charges, including work required off-site
- Work to City streets and sidewalks, (except as noted in this estimate)
- Construction contingency

PM&C

Bourne Elementary Schools
Design Options
Bourne, MA

07-Mar-16

Feasibility Design Submission

	Construction Start	Gross Floor Area	$/sf	Estimated Construction Cost
OPTION 0 - CODE REPAIRS RENOVATION TO PEEBLES ES				
BUILDING (Including all Markups)		37,557	$280.44	$10,532,317
HAZMAT REMOVALS/DEMOLITION (Including all Markups)				$1,158,150
SITEWORK (Including all Markups)				$375,000
TOTAL OF ALL CONSTRUCTION OPTION 1A	Jan-00	57,248	$210.76	**$12,065,467**
OPTION 1A - NEW CONSTRUCTION PEEBLES ES SITE				
BUILDING (Including all Markups)		57,248	$395.17	$22,622,718
HAZMAT REMOVALS/DEMOLITION (Including all Markups)				$1,696,940
SITEWORK (Including all Markups)				$4,038,107
TOTAL OF ALL CONSTRUCTION OPTION 1A	Sep-17	57,248	$495.35	**$28,357,765**
OPTION 2A - ADD/RENOVATION BOURNEDALE ES SITE				
BUILDING (Including all Markups)		114,593	$220.69	$25,289,534
HAZMAT REMOVALS/DEMOLITION (Including all Markups)				NIC
SITEWORK (Including all Markups)				$4,464,245
TOTAL OF ALL CONSTRUCTION OPTION 2A	Sep-17	114,593	$259.65	**$29,753,779**
OPTION 4A - NEW CONSTRUCTION PEEBLES ES SITE				
BUILDING (Including all Markups)		72,473	$360.66	$26,137,876
HAZMAT REMOVALS/DEMOLITION (Including all Markups)				$1,696,940
SITEWORK (Including all Markups)				$4,184,220
TOTAL OF ALL CONSTRUCTION OPTION 4A	Sep-17	72,473	$441.81	**$32,019,036**
OPTION 4B - ADD/RENOVATION PEEBLES ES SITE				
BUILDING (Including all Markups)		72,443	$370.28	$26,824,403
HAZMAT REMOVALS/DEMOLITION (Including all Markups)				$1,205,233
SITEWORK (Including all Markups)				$4,607,309
TOTAL OF ALL CONSTRUCTION OPTION 4B	Sep-17	72,443	$450.52	**$32,636,945**

Bourne Elementary Schools 07-Mar-16
Design Options
Bourne, MA

Feasibility Design Submission GFA 37,557

CONSTRUCTION COST SUMMARY

	BUILDING SYSTEM		*SUB-TOTAL*	*TOTAL*	*$/SF*	*%*
OPTION 0 - CODE REQUIRED RENOVATION						
A10	**FOUNDATIONS**					
	A1010	Standard Foundations	$0			
	A1020	Special Foundations	$0			
	A1030	Lowest Floor Construction	$61,659	**$61,659**	$1.64	0.9%
A20	**BASEMENT CONSTRUCTION**					
	A2010	Basement Excavation	$0			
	A2020	Basement Walls	$0	**$0**	$0.00	0.0%
B10	**SUPERSTRUCTURE**					
	B1010	Upper Floor Construction	$76,250			
	B1020	Roof Construction	$100,000	**$176,250**	$4.69	2.5%
B20	**EXTERIOR CLOSURE**					
	B2010	Exterior Walls	$95,088			
	B2020	Windows	$826,825			
	B2030	Exterior Doors	$29,901	**$951,814**	$25.34	13.6%
B30	**ROOFING**					
	B3010	Roof Coverings	$1,164,460			
	B3020	Roof Openings	$2,500	**$1,166,960**	$31.07	16.7%
C10	**INTERIOR CONSTRUCTION**					
	C1010	Partitions	$75,114			
	C1020	Interior Doors	$112,671			
	C1030	Specialties/Millwork	$98,566	**$286,351**	$7.62	4.1%
C20	**STAIRCASES**					
	C2010	Stair Construction	$10,000			
	C2020	Stair Finishes	$7,330	**$17,330**	$0.46	0.2%
C30	**INTERIOR FINISHES**					
	C3010	Wall Finishes	$187,785			
	C3020	Floor Finishes	$262,899			
	C3030	Ceiling Finishes	$262,899	**$713,583**	$19.00	10.2%
D10	**CONVEYING SYSTEMS**					
	D1010	Elevator	$0	**$0**	$0.00	0.0%
D20	**PLUMBING**					
	D20	Plumbing	$450,684	**$450,684**	$12.00	6.4%

Bourne Elementary Schools 07-Mar-16
Design Options
Bourne, MA

Feasibility Design Submission GFA 37,557

CONSTRUCTION COST SUMMARY

OPTION 0 - CODE REQUIRED RENOVATION

	BUILDING SYSTEM		*SUB-TOTAL*	*TOTAL*	*$/SF*	*%*
D30	**HVAC**					
	D30	HVAC	$1,352,052	**$1,352,052**	$36.00	19.3%
D40	**FIRE PROTECTION**					
	D40	Fire Protection	$225,342	**$225,342**	$6.00	3.2%
D50	**ELECTRICAL**					
	D5010	Complete System	$1,126,710	**$1,126,710**	$30.00	16.1%
E10	**EQUIPMENT**					
	E10	Equipment	$0	**$0**	$0.00	0.0%
E20	**FURNISHINGS**					
	E2010	Fixed Furnishings	$279,222			
	E2020	Movable Furnishings	NIC	**$279,222**	$7.43	4.0%
F10	**SPECIAL CONSTRUCTION**					
	F10	Special Construction	$0	**$0**	$0.00	0.0%
F20	**HAZMAT REMOVALS**					
	F2010	Building Elements Demolition	$197,772			
	F2020	Hazardous Components Abatement	$0	**$197,772**	$5.27	2.8%
	TOTAL DIRECT COST (Trade Costs)			***$7,005,729***	*$186.54*	*100.0%*

PM&C

Bourne Elementary Schools 07-Mar-16
Design Options
Bourne, MA

Feasibility Design Submission GFA 37,557

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
OPTION 0 - CODE REQUIRED RENOVATION							
	GROSS FLOOR AREA CALCULATION						
	First Floor			20,553			
	Second Floor			17,004			
	TOTAL GROSS FLOOR AREA (GFA)				**37,557** ***sf***		
A10	***FOUNDATIONS***						
A1010	**STANDARD FOUNDATIONS**						
	No Work in this section						
	SUBTOTAL					-	
A1020	**SPECIAL FOUNDATIONS**						
	No Work in this section						
	SUBTOTAL						
A1030	**LOWEST FLOOR CONSTRUCTION**						
	Allowance for patching of existing slabs disturbed by new work	**20,553**	sf	3.00	61,659		
	SUBTOTAL					61,659	
	TOTAL - FOUNDATIONS						**$61,659**
A20	***BASEMENT CONSTRUCTION***						
A2010	**BASEMENT EXCAVATION**						
	No items in this section						
	SUBTOTAL					-	
A2020	**BASEMENT WALLS**						
	No items in this section						
	SUBTOTAL					-	
	TOTAL - BASEMENT CONSTRUCTION						
B10	***SUPERSTRUCTURE***						
B1010	**FLOOR CONSTRUCTION**						
	Allowance for gym floor joist seismic connections	**75**	loc	750.00	56,250		
	New penetrations to existing structure	**1**	ls	15,000.00	15,000		
	Fire stopping floors	**1**	flrs	5,000.00	5,000		
	SUBTOTAL					76,250	
B1020	**ROOF CONSTRUCTION**						
	Allowance for snow drift upgrades	**1**	ls	100,000.00	100,000		
	SUBTOTAL					100,000	
	TOTAL - SUPERSTRUCTURE						**$176,250**
B20	***EXTERIOR CLOSURE***						
B2010	**EXTERIOR WALLS**	*11,886*	sf				
	Interior skin						
	Allowance to insulate exterior	**11,886**	sf	8.00	95,088		

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
OPTION 0 - CODE REQUIRED RENOVATION							
	Exterior skin						
	Allowance to remove and replace existing brickwork	**11,886**	sf	45.00	NIC		
	Miscellaneous						
	New lintels and relieving angles	**11,886**	sf	10.00	NIC		
	Staging to exterior wall	**19,810**	sf	3.00	NIC		
	SUBTOTAL					95,088	
B2020	**WINDOWS**	*7,924*	sf				
	Curtainwall replace existing	**2,694**	sf	120.00	323,280		
	Premium for sunscreen and light shelf elements	**1**	ls	25,000.00	25,000		
	Windows/storefront replace existing	**5,230**	sf	85.00	444,550		
	Backer rod & double sealant	**2,615**	lf	9.00	23,535		
	Wood blocking at openings	**2,615**	lf	4.00	10,460		
	SUBTOTAL					826,825	
B2030	**EXTERIOR DOORS**						
	Glazed entrance doors including frame and hardware; double door	**2**	pr	8,000.00	16,000		
	HM doors, frames and hardware- Double	**1**	pr	3,600.00	3,600		
	HM doors, frames and hardware- Single	**1**	ea	1,800.00	1,800		
	Coiling door at Loading dock	**1**	ls	7,500.00	7,500		
	Backer rod & double sealant	**77**	lf	9.00	693		
	Wood blocking at openings	**77**	lf	4.00	308		
	SUBTOTAL					29,901	
	TOTAL - EXTERIOR CLOSURE						**$951,814**
B30	***ROOFING***						
B3010	**ROOF COVERINGS**						
	Flat roofing						
	Remove existing roof down to insulation	**24,664**	sf	3.00	73,992		
	New standing seam metal roofing	**24,664**	sf	26.00	641,264		
	Insulation; nailable	**24,664**	sf	11.00	271,304		
	1/2" dens-deck protection board	**24,664**	sf	2.00	49,328		
	Reinforced vapor barrier	**24,664**	sf	1.00	24,664		
	Rough blocking	**973**	lf	6.00	5,838		
	Miscellaneous Roofing						
	Roof fascia/cornice	**973**	lf	90.00	87,570		
	Roof ladders	**1**	ls	3,000.00	3,000		
	Walk pads	**1**	ls	7,500.00	7,500		
	SUBTOTAL					1,164,460	
B3020	**ROOF OPENINGS**						
	Roof hatch	**1**	loc	2,500.00	2,500		
	SUBTOTAL					2,500	
	TOTAL - ROOFING						**$1,166,960**
C10	***INTERIOR CONSTRUCTION***						
C1010	**PARTITIONS**						
	Allowance to modify existing partitions	**37,557**	sf	2.00	75,114		
	SUBTOTAL					75,114	
C1020	**INTERIOR DOORS**						

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
OPTION 0 - CODE REQUIRED RENOVATION							
	Allowance for ADA upgrades to doors and hardware	**37,557**	gsf	3.00	112,671		
	SUBTOTAL					112,671	
C1030	**SPECIALTIES / MILLWORK**						
	Toilet Partitions and accessories	**37,557**	gsf	0.80	30,046		
	Backer panels in electrical closets	**1**	ls	1,000.00	1,000		
	Marker boards/tackboards in classrooms, offices, conference rooms, library and MP rooms; 20' tackboard w/ 8' markerboard in each Educational space	**37,557**	sf	1.00	NIC		
	Room Signs	**37,557**	gsf	0.40	15,023		
	Fire extinguisher cabinets	**13**	ea	350.00	4,550		
	Corridor Lockers	**37,557**	gsf	1.00	NIC		
	Janitors Closet Accessories	**1**	ls	1,000.00	1,000		
	Miscellaneous metals throughout building	**37,557**	sf	0.50	18,779		
	Miscellaneous sealants throughout building	**37,557**	sf	0.75	28,168		
	SUBTOTAL					98,566	
	TOTAL - INTERIOR CONSTRUCTION						**$286,351**
C20	***STAIRCASES***						
C2010	**STAIR CONSTRUCTION**						
	Metal pan stair; egress stair; modify existing	**1**	flt	10,000.00	10,000		
	Concrete fill to stairs	**1**	flt	2,000.00	NIC		
	SUBTOTAL					10,000	
C2020	**STAIR FINISHES**						
	High performance coating to stairs including all railings etc.	**1**	flt	3,000.00	3,000		
	Rubber tile at stairs - landings	**150**	sf	12.00	1,800		
	Rubber tile at stairs - treads & risers	**115**	lft	22.00	2,530		
	SUBTOTAL					7,330	
	TOTAL - STAIRCASES						**$17,330**
C30	***INTERIOR FINISHES***						
C3010	**WALL FINISHES**						
	Allowance for wall finishes	**37,557**	gsf	5.00	187,785		
	SUBTOTAL					187,785	
C3020	**FLOOR FINISHES**						
	Allowance for floor finishes	**37,557**	gsf	7.00	262,899		
	SUBTOTAL					262,899	
C3030	**CEILING FINISHES**						
	Allowance for ceiling finishes	**37,557**	sf	7.00	262,899		
	SUBTOTAL					262,899	
	TOTAL - INTERIOR FINISHES						**$713,583**
D10	***CONVEYING SYSTEMS***						
D1010	**ELEVATOR**						
	New elevator; 2 stop	**1**	ea	90,000.00	NIC		
	SUBTOTAL					-	
	TOTAL - CONVEYING SYSTEMS						

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
OPTION 0 - CODE REQUIRED RENOVATION							
D20	***PLUMBING***						
D20	**PLUMBING, GENERALLY**						
	Plumbing; complete system	**37,557**	gsf	12.00	450,684		
	SUBTOTAL					450,684	
	TOTAL - PLUMBING						**$450,684**
D30	***HVAC***						
D30	**HVAC, GENERALLY**						
	HVAC complete system	**37,557**	gsf	36.00	1,352,052		
	SUBTOTAL					1,352,052	
	TOTAL - HVAC						**$1,352,052**
D40	***FIRE PROTECTION***						
D40	**FIRE PROTECTION, GENERALLY**						
	Sprinkler system	**37,557**	gsf	6.00	225,342		
	SUBTOTAL					225,342	
	TOTAL - FIRE PROTECTION						**$225,342**
D50	***ELECTRICAL***						
D5010	**COMPLETE ELECTRICAL SYSTEM**						
	Electrical system; complete	**37,557**	gsf	30.00	1,126,710		
	SUBTOTAL					1,126,710	
	TOTAL - ELECTRICAL						**$1,126,710**
E10	***EQUIPMENT***						
E10	**EQUIPMENT, GENERALLY**						
	Gym wall pads	**1**	ls	10,000.00	ETR		
	Basketball backstops; swing up; electric operated	**4**	ea	9,800.00	ETR		
	Gymnasium dividing net; electrically operated	**1**	loc	45,000.00	ETR		
	Volleyball net and standards	**1**	ea	2,000.00	ETR		
	Telescoping bleachers	**1**	ls	25,000.00	ETR		
	Theatrical Equipment Stage curtains, rigging and controls	**1**	ls	150,000.00	ETR		
	Stage lighting and dimming	**1**	ls	75,000.00	ETR		
	Food Service equipment	**1**	ls	350,000.00	ETR		
	Electrically operated projection screens	**1**	loc	10,000.00	ETR		
	AV Equipment (including Smartboards, Projectors, LED monitors, Digital information displays etc.)				FF+E		
	SUBTOTAL					-	
	TOTAL - EQUIPMENT						
E20	***FURNISHINGS***						
E2010	**FIXED FURNISHINGS**						
	Entry mats & frames - recessed with carpet/rubber strips	**500**	sf	45.00	22,500		
	Manual operated roller shades	**5,230**	sf	6.00	31,380		

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
OPTION 0 - CODE REQUIRED RENOVATION							
	Counters, base cabinets, tall storage in classrooms and other rooms	**37,557**	gsf	6.00	225,342		
	SUBTOTAL					279,222	
E2020	**MOVABLE FURNISHINGS**						
	All movable furnishings to be provided and installed by owner						
	SUBTOTAL					NIC	
	TOTAL - FURNISHINGS						**$279,222**
F10	***SPECIAL CONSTRUCTION***						
F10	**SPECIAL CONSTRUCTION**						
	No Work in this section						
	SUBTOTAL						
	TOTAL - SPECIAL CONSTRUCTION						
F20	***SELECTIVE BUILDING DEMOLITION***						
F2010	**BUILDING ELEMENTS DEMOLITION**						
	Extensive demolition of renovation areas; finishes, doors, MEP systems, casework and specialties	**37,557**	sf	4.00	150,228		
	Demo of exterior windows	**7,924**	sf	6.00	47,544		
	Demo of roof included in Divisions above						
	See main summary for demolition of existing buildings						
	SUBTOTAL					197,772	
F2020	**HAZARDOUS COMPONENTS ABATEMENT**						
	See main summary for HazMat allowance				See Summary		
	SUBTOTAL						
	TOTAL - SELECTIVE BUILDING DEMOLITION						**$197,772**

Bourne Elementary Schools
Design Options
Bourne, MA

07-Mar-16

Feasibility Design Submission

GFA 57,248

CONSTRUCTION COST SUMMARY

	BUILDING SYSTEM		*SUB-TOTAL*	*TOTAL*	*$/SF*	*%*
OPTION 1A - NEW ELEMENTARY SCHOOL						
A10	**FOUNDATIONS**					
	A1010	Standard Foundations	$772,960			
	A1020	Special Foundations	$0			
	A1030	Lowest Floor Construction	$547,900	**$1,320,860**	$23.07	8.2%
A20	**BASEMENT CONSTRUCTION**					
	A2010	Basement Excavation	$0			
	A2020	Basement Walls	$0	**$0**	$0.00	0.0%
B10	**SUPERSTRUCTURE**					
	B1010	Upper Floor Construction	$638,351			
	B1020	Roof Construction	$1,249,975	**$1,888,326**	$32.99	11.7%
B20	**EXTERIOR CLOSURE**					
	B2010	Exterior Walls	$1,926,182			
	B2020	Windows	$1,530,386			
	B2030	Exterior Doors	$58,541	**$3,515,109**	$61.40	21.8%
B30	**ROOFING**					
	B3010	Roof Coverings	$910,113			
	B3020	Roof Openings	$12,500	**$922,613**	$16.12	5.7%
C10	**INTERIOR CONSTRUCTION**					
	C1010	Partitions	$1,035,059			
	C1020	Interior Doors	$228,992			
	C1030	Specialties/Millwork	$402,077	**$1,666,128**	$29.10	10.3%
C20	**STAIRCASES**					
	C2010	Stair Construction	$104,000			
	C2020	Stair Finishes	$14,660	**$118,660**	$2.07	0.7%
C30	**INTERIOR FINISHES**					
	C3010	Wall Finishes	$286,240			
	C3020	Floor Finishes	$400,736			
	C3030	Ceiling Finishes	$400,736	**$1,087,712**	$19.00	6.7%
D10	**CONVEYING SYSTEMS**					
	D1010	Elevator	$90,000	**$90,000**	$1.57	0.6%
D20	**PLUMBING**					
	D20	Plumbing	$686,976	**$686,976**	$12.00	4.3%

Bourne Elementary Schools 07-Mar-16
Design Options
Bourne, MA

Feasibility Design Submission GFA 57,248

CONSTRUCTION COST SUMMARY

OPTION 1A - NEW ELEMENTARY SCHOOL

	BUILDING SYSTEM		*SUB-TOTAL*	*TOTAL*	*$/SF*	*%*
D30	**HVAC**					
	D30	HVAC	$2,060,928	**$2,060,928**	$36.00	12.8%
D40	**FIRE PROTECTION**					
	D40	Fire Protection	$257,616	**$257,616**	$4.50	1.6%
D50	**ELECTRICAL**					
	D5010	Complete System	$1,602,944	**$1,602,944**	$28.00	9.9%
E10	**EQUIPMENT**					
	E10	Equipment	$506,200	**$506,200**	$8.84	3.1%
E20	**FURNISHINGS**					
	E2010	Fixed Furnishings	$435,012			
	E2020	Movable Furnishings	NIC	**$435,012**	$7.60	2.7%
F10	**SPECIAL CONSTRUCTION**					
	F10	Special Construction	$0	**$0**	$0.00	0.0%
F20	**HAZMAT REMOVALS**					
	F2010	Building Elements Demolition	$0			
	F2020	Hazardous Components Abatement	$0	**$0**	$0.00	0.0%
	TOTAL DIRECT COST (Trade Costs)			***$16,159,084***	*$282.26*	*100.0%*

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
OPTION 1A - NEW ELEMENTARY SCHOOL							
	GROSS FLOOR AREA CALCULATION						
	First Floor			40,137			
	Second Floor			17,111			
	TOTAL GROSS FLOOR AREA (GFA)					**57,248**	***sf***
A10	***FOUNDATIONS***						
A1010	**STANDARD FOUNDATIONS**						
	Strip footings - 3'-0" x 2'-0"						
	Excavation	**1,804**	cy	12.00	21,648		
	Store on site for reuse	**1,804**	cy	14.00	25,256		
	Backfill with new fill	**1,479**	cy	16.00	23,664		
	Formwork	**5,568**	sf	11.00	61,248		
	Re-bar, 10#/lf	**13,920**	lbs	1.20	16,704		
	Concrete material; 3,000 psi	**325**	cy	125.00	40,625		
	Placing concrete	**325**	cy	55.00	17,875		
	Foundation walls at exterior - 16" thick						
	Formwork	**11,136**	sf	12.50	139,200		
	Re-bar, 4#/sf	**22,272**	lbs	1.20	26,726		
	Concrete material; 4,000 psi	**253**	cy	135.00	34,155		
	Placing concrete	**253**	cy	65.00	16,445		
	Dampproofing foundation wall and footing	**8,352**	sf	1.90	NIC		
	Insulation to foundation walls; 2" thick	**5,568**	sf	2.50	13,920		
	Form shelf	**1,392**	lf	8.00	11,136		
	Thickened slab at interior load bearing walls						
	Excavation	**162**	cy	12.00	1,944		
	Store on site for reuse	**162**	cy	14.00	2,268		
	Backfill with new fill	**147**	cy	16.00	2,352		
	Formwork	**250**	sf	11.00	2,750		
	Re-bar, 10#/lf	**1,250**	lbs	1.20	1,500		
	Concrete material; 3,000 psi	**15**	cy	125.00	1,875		
	Placing concrete	**15**	cy	55.00	825		
	Exterior column footings, typical, 8' x 8' x 2'-0"						
	Excavation	**744**	cy	15.00	11,160		
	Store on site for reuse	**744**	cy	14.00	10,416		
	Backfill with new fill	**525**	cy	16.00	8,400		
	Formwork	**2,816**	sf	11.00	30,976		
	Re-bar,150/cy	**32,850**	lbs	1.20	39,420		
	Concrete material; 3,000 psi	**219**	cy	125.00	27,375		
	Placing concrete	**219**	cy	55.00	12,045		
	Set anchor bolts grout plates	**44**	ea	150.00	6,600		
	Interior column footings, typical, 9' x 9' x 2'-0"						
	Excavation	**734**	cy	15.00	11,010		
	Store on site for reuse	**734**	cy	14.00	10,276		
	Backfill with new fill	**501**	cy	16.00	8,016		
	Formwork	**2,664**	sf	11.00	29,304		
	Re-bar,150/cy	**27,750**	lbs	1.20	33,300		
	Concrete material; 3,000 psi	**233**	cy	125.00	29,125		
	Placing concrete	**233**	cy	55.00	12,815		
	Set anchor bolts grout plates	**37**	ea	150.00	5,550		
	Perimeter drainage system per geotech	**1,392**	lf	18.00	25,056		

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
OPTION 1A - NEW ELEMENTARY SCHOOL							
	SUBTOTAL					772,960	
A1020	**SPECIAL FOUNDATIONS**						
	No Work in this section						
	SUBTOTAL						
A1030	**LOWEST FLOOR CONSTRUCTION**						
	New Slab on grade, 5" thick						
	Structural gravel fill, 8"	**992**	cy	30.00	29,760		
	Base course, 8" gravel	**992**	cy	35.00	34,720		
	Rigid insulation	**40,137**	sf	2.25	90,308		
	Vapor barrier	**40,137**	sf	0.75	30,103		
	Under slab drainage -allow	**40,137**	sf	2.50	100,343		
	Mesh reinforcing 15% lap	**46,158**	sf	0.80	36,926		
	Concrete - 5" thick	**656**	cy	125.00	82,000		
	Placing concrete	**656**	cy	45.00	29,520		
	Finishing and curing concrete	**40,137**	sf	1.50	60,206		
	Control joints - saw cut	**40,137**	sf	0.10	4,014		
	Miscellaneous						
	New Elevator pits	**1**	ea	25,000.00	25,000		
	New loading dock - allow	**1**	ls	20,000.00	20,000		
	Equipment pads - allow	**1**	ls	5,000.00	5,000		
	SUBTOTAL					547,900	
	TOTAL - FOUNDATIONS						**$1,320,860**
A20	***BASEMENT CONSTRUCTION***						
A2010	**BASEMENT EXCAVATION**						
	No items in this section						
	SUBTOTAL					-	
A2020	**BASEMENT WALLS**						
	No items in this section						
	SUBTOTAL					-	
	TOTAL - BASEMENT CONSTRUCTION						
B10	***SUPERSTRUCTURE***						
		12	lbs/sf				
B1010	**FLOOR CONSTRUCTION**	352	tns				
	Floor Structure - Steel:						
	Steel beams and columns; 13/SF	**111**	tns	3,400.00	377,400		
	Shear studs	**3,422**	ea	2.50	8,555		
	Floor Structure						
	3" Metal floor Deck	**17,111**	sf	4.00	68,444		
	WWF reinforcement	**19,678**	sf	0.80	15,742		
	Concrete Fill to metal deck; 5 1/4" Light weight	**273**	cy	170.00	46,410		
	Place and finish concrete	**17,111**	sf	2.00	34,222		
	Misc. perimeter angles	**1,392**	lf	25.00	34,800		
	Miscellaneous						
	Fire proofing to columns and beams	**17,111**	sf	2.50	42,778		
	Fire stopping floors	**2**	flrs	5,000.00	10,000		

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
OPTION 1A - NEW ELEMENTARY SCHOOL							
	SUBTOTAL					638,351	
B1020	**ROOF CONSTRUCTION**						
	Roof Structure - Steel:						
	Steel beams/Joists; 12#/SF	**241**	tns	3,400.00	819,400		
	Roof Structure						
	3" Metal floor Deck @ roof	**28,837**	sf	4.00	115,348		
	Acoustic deck at gym, 3", type NA	**11,300**	sf	7.00	79,100		
	Roof Structure @ Mech Equipment/Low roof						
	WWF reinforcement	**9,315**	sf	0.80	7,452		
	Concrete Fill to metal deck; 5 1/4" Light weight	**129**	cy	170.00	21,930		
	Place and finish concrete	**8,100**	sf	3.00	24,300		
	Miscellaneous						
	Canopy framing - allow	**1**	ls	30,000.00	30,000		
	Roof screen framing - allow	**1,100**	sf	20.00	22,000		
	Fire proofing to columns, beams and deck	**40,137**	sf	3.25	130,445		
	SUBTOTAL					1,249,975	
	TOTAL - SUPERSTRUCTURE						**$1,888,326**
B20	***EXTERIOR CLOSURE***						
B2010	**EXTERIOR WALLS**	*25,942*	sf				
	Interior skin						
	8" metal stud backup	**21,658**	sf	8.00	173,264		
	Batt insulation in stud	**21,658**	sf	2.25	48,731		
	2 1/2" Rigid Insulation	**21,658**	sf	3.00	64,974		
	Air barrier	**21,658**	sf	6.00	129,948		
	Air barrier/flashing at windows	**3,796**	lf	7.00	26,572		
	Gypsum Sheathing	**21,658**	sf	2.75	59,560		
	Drywall lining to interior face of stud backup	**21,658**	sf	3.00	64,974		
	Interior skin @ Gym and stage						
	8" CMU backup	**4,284**	sf	22.00	94,248		
	2 1/2" Rigid Insulation	**4,284**	sf	3.00	12,852		
	Air barrier	**4,284**	sf	6.00	25,704		
	Premium for GF block	**4,284**	sf	5.00	21,420		
	Exterior skin						
	Brick veneer	**19,457**	sf	35.00	680,995		
	Metal panels	**6,485**	sf	60.00	389,100		
	Miscellaneous						
	Aluminum sign at main entrance	**1**	ls	10,000.00	10,000		
	Staging to exterior wall	**41,280**	sf	3.00	123,840		
	SUBTOTAL					1,926,182	
B2020	**WINDOWS**	*15,338*	sf				
	Curtainwall	**3,834**	sf	110.00	421,740		
	Premium for sunscreen and light shelf elements	**1**	ls	50,000.00	50,000		
	Windows/storefront	**11,504**	sf	85.00	977,840		
	Louvers (allowance)	**250**	sf	60.00	15,000		
	Backer rod & double sealant	**5,062**	lf	9.00	45,558		
	Wood blocking at openings	**5,062**	lf	4.00	20,248		
	SUBTOTAL					1,530,386	
B2030	**EXTERIOR DOORS**						

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
OPTION 1A - NEW ELEMENTARY SCHOOL							
	Glazed entrance doors including frame and hardware; double door	**5**	pr	8,000.00	40,000		
	HM doors, frames and hardware- Double	**2**	pr	3,600.00	7,200		
	HM doors, frames and hardware- Single	**1**	ea	1,800.00	1,800		
	Coiling door at Loading dock	**1**	ls	7,500.00	7,500		
	Backer rod & double sealant	**157**	lf	9.00	1,413		
	Wood blocking at openings	**157**	lf	4.00	628		
	SUBTOTAL					58,541	
	TOTAL - EXTERIOR CLOSURE						**$3,515,109**
B30	***ROOFING***						
B3010	**ROOF COVERINGS**						
	Flat roofing						
	PVC roof membrane fully adhered	**40,137**	sf	7.50	301,028		
	Insulation	**40,137**	sf	6.00	240,822		
	1/2" dens-deck protection board	**40,137**	sf	2.00	80,274		
	Reinforced vapor barrier	**40,137**	sf	1.00	40,137		
	Rough blocking	**1,587**	lf	6.00	9,522		
	Miscellaneous Roofing						
	Canopies - allow	**300**	sf	75.00	22,500		
	Roof screens - allow	**1,100**	sf	50.00	55,000		
	Roof fascia/cornice	**1,587**	lf	90.00	142,830		
	Roof ladders	**1**	ls	3,000.00	3,000		
	Walk pads	**1**	ls	15,000.00	15,000		
	SUBTOTAL					910,113	
B3020	**ROOF OPENINGS**						
	Skylights, allow	**1**	ls	10,000.00	10,000		
	Roof hatch	**1**	loc	2,500.00	2,500		
	SUBTOTAL					12,500	
	TOTAL - ROOFING						**$922,613**
C10	***INTERIOR CONSTRUCTION***						
C1010	**PARTITIONS**						
	Reinforced masonry shear walls at Gymnasium & Stage	**6,870**	sf	23.00	158,010		
	Stairs/Elevator; 2 HR rated	**4,438**	sf	16.00	71,008		
	Corridors; GWB with 2 lyrs corridor side	**14,098**	sf	15.55	219,224		
	Demising; Metal stud w/ 2 layers gwb	**8,526**	sf	17.35	147,926		
	Partitions at Admin spaces, back of house etc.	**1,680**	sf	15.85	26,628		
	Sealants & caulking at partitions	**35,612**	sf	0.50	17,806		
	Rough blocking to partitions	**2,739**	lf	3.00	8,217		
	Glazed partitions/borrowed lights - allowance	**1**	ls	100,000.00	100,000		
	Miscellaneous partitions not yet shown	**57,248**	gsf	5.00	286,240		
	SUBTOTAL					1,035,059	
C1020	**INTERIOR DOORS**						
	Allowance for specialty doors, doors and hardware	**57,248**	gsf	4.00	228,992		
	SUBTOTAL					228,992	
C1030	**SPECIALTIES / MILLWORK**						
	Toilet Partitions and accessories	**57,248**	gsf	0.80	45,798		

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
OPTION 1A - NEW ELEMENTARY SCHOOL							
	Backer panels in electrical closets	**1**	ls	1,000.00	1,000		
	Marker boards/tackboards in classrooms, offices, conference rooms, library and MP rooms; 20' tackboard w/ 8' markerboard in each Educational space	**57,248**	sf	1.00	57,248		
	Building directory	**1**	loc	3,000.00	3,000		
	Bronze dedication plaque	**1**	loc	2,500.00	2,500		
	Room Signs	**57,248**	gsf	0.40	22,899		
	Fire extinguisher cabinets	**19**	ea	350.00	6,650		
	Cubbies	**57,248**	gsf	0.80	45,798		
	Janitors Closet Accessories	**1**	ls	1,000.00	1,000		
	Shelving in storage rooms	**1**	ls	10,000.00	10,000		
	Staff mailboxes/casework	**1**	ls	5,000.00	5,000		
	Reception desk in Media - allowance	**1**	ls	20,000	20,000		
	Library shelving				F,F & E		
	Display cases	**1**	ls	30,000.00	30,000		
	Guardrail at open to below spaces	**170**	lf	300.00	51,000		
	Miscellaneous metals throughout building	**57,248**	sf	1.00	57,248		
	Miscellaneous sealants throughout building	**57,248**	sf	0.75	42,936		
	SUBTOTAL					402,077	
	TOTAL - INTERIOR CONSTRUCTION						**$1,666,128**
C20	***STAIRCASES***						
C2010	**STAIR CONSTRUCTION**						
	Feature stair including rails and finishes	**1**	flt	60,000.00	60,000		
	Stage stairs, wood	**2**	flts	5,000.00	10,000		
	Metal pan stair; egress stair	**1**	flt	30,000.00	30,000		
	Concrete fill to stairs	**2**	flt	2,000.00	4,000		
	SUBTOTAL					104,000	
C2020	**STAIR FINISHES**						
	High performance coating to stairs including all railings etc.	**2**	flt	3,000.00	6,000		
	Rubber tile at stairs - landings	**300**	sf	12.00	3,600		
	Rubber tile at stairs - treads & risers	**230**	lft	22.00	5,060		
	SUBTOTAL					14,660	
	TOTAL - STAIRCASES						**$118,660**
C30	***INTERIOR FINISHES***						
C3010	**WALL FINISHES**						
	Allowance for wall finishes	**57,248**	gsf	5.00	286,240		
	SUBTOTAL					286,240	
C3020	**FLOOR FINISHES**						
	Allowance for floor finishes	**57,248**	gsf	7.00	400,736		
	SUBTOTAL					400,736	
C3030	**CEILING FINISHES**						
	Allowance for ceiling finishes	**57,248**	sf	7.00	400,736		
	SUBTOTAL					400,736	
	TOTAL - INTERIOR FINISHES						**$1,087,712**
D10	***CONVEYING SYSTEMS***						

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
OPTION 1A - NEW ELEMENTARY SCHOOL							
D1010	**ELEVATOR**						
	New elevator; 2 stop	**1**	ea	90,000.00	90,000		
	SUBTOTAL					90,000	
	TOTAL - CONVEYING SYSTEMS						**$90,000**
D20	***PLUMBING***						
D20	**PLUMBING, GENERALLY**						
	Plumbing; complete system	**57,248**	gsf	12.00	686,976		
	SUBTOTAL					686,976	
	TOTAL - PLUMBING						**$686,976**
D30	***HVAC***						
D30	**HVAC, GENERALLY**						
	HVAC complete system	**57,248**	gsf	36.00	2,060,928		
	SUBTOTAL					2,060,928	
	TOTAL - HVAC						**$2,060,928**
D40	***FIRE PROTECTION***						
D40	**FIRE PROTECTION, GENERALLY**						
	Sprinkler system	**57,248**	gsf	4.50	257,616		
	SUBTOTAL					257,616	
	TOTAL - FIRE PROTECTION						**$257,616**
D50	***ELECTRICAL***						
D5010	**COMPLETE ELECTRICAL SYSTEM**						
	Electrical system; complete	**57,248**	gsf	28.00	1,602,944		
	SUBTOTAL					1,602,944	
	TOTAL - ELECTRICAL						**$1,602,944**
E10	***EQUIPMENT***						
E10	**EQUIPMENT, GENERALLY**						
	Gym wall pads	**1**	ls	10,000.00	10,000		
	Basketball backstops; swing up; electric operated	**4**	ea	9,800.00	39,200		
	Gymnasium dividing net; electrically operated	**1**	loc	45,000.00	45,000		
	Volleyball net and standards	**1**	ea	2,000.00	2,000		
	Telescoping bleachers	**1**	ls	25,000.00	25,000		
	Theatrical Equipment Stage curtains, rigging and controls	**1**	ls	150,000.00	150,000		
	Stage lighting and dimming	**1**	ls	75,000.00	75,000		
	Food Service equipment	**1**	ls	150,000.00	150,000		
	Electrically operated projection screens	**1**	loc	10,000.00	10,000		
	AV Equipment (including Smartboards, Projectors, LED monitors, Digital information displays etc.)				FF+E		
	SUBTOTAL					506,200	
	TOTAL - EQUIPMENT						**$506,200**
E20	***FURNISHINGS***						

PM&C

Bourne Elementary Schools 07-Mar-16
Design Options
Bourne, MA

Feasibility Design Submission GFA 57,248

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
OPTION 1A - NEW ELEMENTARY SCHOOL							
E2010	**FIXED FURNISHINGS**						
	Entry mats & frames - recessed with carpet/rubber strips	**500**	sf	45.00	22,500		
	Manual operated roller shades	**11,504**	sf	6.00	69,024		
	Counters, base cabinets, tall storage in classrooms and other rooms	**57,248**	gsf	6.00	343,488		
	SUBTOTAL					435,012	
E2020	**MOVABLE FURNISHINGS**						
	All movable furnishings to be provided and installed by owner						
	SUBTOTAL					NIC	
	TOTAL - FURNISHINGS						**$435,012**
F10	***SPECIAL CONSTRUCTION***						
F10	**SPECIAL CONSTRUCTION**						
	No Work in this section						
	SUBTOTAL						
	TOTAL - SPECIAL CONSTRUCTION						
F20	***SELECTIVE BUILDING DEMOLITION***						
F2010	**BUILDING ELEMENTS DEMOLITION**						
	See main summary for demolition of existing buildings						
	SUBTOTAL						
F2020	**HAZARDOUS COMPONENTS ABATEMENT**						
	See main summary for HazMat allowance				See Summary		
	SUBTOTAL						
	TOTAL - SELECTIVE BUILDING DEMOLITION						

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
SITEWORK OPTION 1A							
G	***SITEWORK***						
G10	**SITE PREPARATION & DEMOLITION**						
	Site Demolitions and Relocations						
	Site construction fence	**2,900**	lf	14.00	40,600		
	Pavement/curbing removal - grind up asphalt to reuse	**116,200**	sf	0.80	92,960		
	Remove and dispose walkways	**1**	ls	10,000.00	10,000		
	Remove and dispose tennis courts	**25,600**	sf	2.00	51,200		
	Tree removal	**1**	ls	20,000.00	20,000		
	Misc. Tree Protection	**1**	ls	5,000.00	5,000		
	Remove and dispose of existing drainage structures and utilities	**1**	ls	40,000.00	40,000		
	SUBTOTAL					$259,760	
	Site Earthwork						
	Construction entrances/wheel washes (allowance)	**1**	loc	15,000.00	15,000		
	Strip topsoil, store on site for reuse	**7,444**	cy	8.00	59,552		
	Cut/fill	**42,000**	cy	6.00	252,000		
	Fine grading	**27,169**	sy	0.50	13,585		
	Silt fence/erosion control (allowance)	**2,900**	lf	12.00	34,800		
	Erosion Control monitoring & maintenance	**1**	ls	10,000.00	10,000		
	SUBTOTAL					$384,937	
G20	**SITE IMPROVEMENTS**						
	Roadways and Parking Lots						
	Bituminous concrete paving	*100,821*					
	gravel base; 12" thick	**3,734**	cy	35.00	130,690		
	bituminous concrete; 4" thick	**11,202**	sy	25.00	280,050		
	6"x18" granite curb	**6,876**	lf	32.00	220,032		
	Single solid lines, 4" thick	**159**	space	25.00	3,975		
	Wheelchair Parking	**10**	space	75.00	750		
	Crosswalk Hatching	**2**	loc	900.00	1,800		
	Other road markings	**1**	ls	7,500.00	7,500		
	HC curb cuts	**4**	loc	1,100.00	4,400		
	New entrance sign	**1**	ls	10,000.00	10,000		
	New traffic signs	**1**	ls	5,000.00	5,000		
	SUBTOTAL					$664,197	
	Pedestrian paving						
	Bituminous concrete paving	*10,000*	sf				
	gravel base; 12" thick	**370**	cy	35.00	12,950		
	bituminous concrete; 3" thick	**1,111**	sy	28.00	31,108		
	Concrete Pavers						
	Concrete pavers						
	Precast concrete pavers	**9,500**	sf	16.00	152,000		
	gravel base; 8" thick	**236**	cy	35.00	8,260		
	dry pack; 2" thick	**56**	cy	22.00	1,232		
	concrete base; 4" thick	**9,500**	sf	5.00	47,500		
	Site Improvements						
	Bicycle racks	**10**	ea	800.00	8,000		
	45' Flag pole	**1**	loc	7,500.00	7,500		
	Flag pole base	**1**	loc	1,500.00	1,500		
	Ornamental trash/recycling receptacles	**10**	ea	800.00	8,000		
	Seating walls	**1**	ls	75,000.00	75,000		
	Segmented block retaining walls	**2,112**	sf	55.00	116,160		
	Dumpster enclosure	**100**	lf	60.00	6,000		
	Play surface	**2,000**	sf	16.00	32,000		
	Track surface	**4,000**	sf	8.00	32,000		
	Play equipment	**1**	ls	120,000.00	120,000		

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
SITEWORK OPTION 1A							
	Tennis Courts	*24,200*					
	Gravel base - 12" thick	**896**	cy	35.00	31,360		
	Tennis court surface - color coated acrylic over asphalt	**2,689**	sy	42.00	112,938		
	Nets and posts	**4**	courts	900.00	3,600		
	Vinyl CL Fencing; 10'	**643**	lf	55.00	35,365		
	Gate, single	**2**	ea	1,200.00	2,400		
	Landscaping & Plantings:						
	Spread existing amended topsoil @ seeded areas	**1,852**	cy	22.00	40,744		
	New seeded areas - L&S	**100,000**	sf	0.20	20,000		
	Trees	**17**	ea	1,000.00	17,000		
	Shrubs/plantings and Groundcover	**1**	ls	25,000.00	25,000		
	SUBTOTAL					$947,617	
G30	**CIVIL MECHANICAL UTILITIES**						
	Water supply						
	New fire DI piping; 8"	**260**	lf	80.00	20,800		
	New fire DI piping; 6"	**260**	lf	70.00	18,200		
	New fire hydrant	**2**	loc	2,600.00	5,200		
	FD connection	**1**	loc	2,000.00	2,000		
	Gate valves	**4**	loc	750.00	3,000		
	Connect to existing line (Wet Taps)	**1**	loc	5,000.00	5,000		
	Sanitary sewer						
	8" sewer	**300**	lf	48.00	14,400		
	Connect to existing	**1**	loc	1,500.00	1,500		
	6,000 gal grease trap	**1**	loc	12,000.00	12,000		
	SMH	**3**	loc	4,000.00	12,000		
	Storm Sewer						
	Allowance for stormwater management	**1**	ls	350,000.00	350,000		
	Gas and Telecom service						
	E&B trench for new lines, pipe and install by utilities						
	New gas service	**250**	lf	25.00	6,250		
	New telecom service	**250**	lf	25.00	6,250		
	SUBTOTAL					$456,600	
G40	**SITE ELECTRICAL**						
	Power						
	Tap main power source	**1**	ea	3,000.00	3,000		
	Primary ductbank	**250**	lf	65.00	16,250		
	Primary cabling				Utility company		
	Pad mounted transformer				Utility company		
	Transformer pad	**1**	ea	3,000.00	3,000		
	Secondary ductbank						
	Secondary ductbank cabling	**50**	lf	300.00	15,000		
	Generator ductbank						
	Generator ductbank	**50**	lf	250.00	12,500		
	Communications						
	Communications ductbank	**250**	lf	85.00	21,250		
	Site Lighting/Power						
	Site lighting, roadway, parking, pathways and landscaping	**1**	ls	60,000.00	60,000		
	SUBTOTAL					$131,000	
SUBTOTAL SITE DEVELOPMENT OPTION 1A							**$2,844,111**

Bourne Elementary Schools
Design Options
Bourne, MA

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Feasibility Design Submission

GFA 46,493

CONSTRUCTION COST SUMMARY

	BUILDING SYSTEM		*SUB-TOTAL*	*TOTAL*	*$/SF*	*%*
OPTION 2A - NEW ADDITION TO ELEMENTARY SCHOOL						
A10	**FOUNDATIONS**					
	A1010	Standard Foundations	$604,683			
	A1020	Special Foundations	$0			
	A1030	Lowest Floor Construction	$379,456	**$984,139**	$21.17	7.4%
A20	**BASEMENT CONSTRUCTION**					
	A2010	Basement Excavation	$0			
	A2020	Basement Walls	$0	**$0**	$0.00	0.0%
B10	**SUPERSTRUCTURE**					
	B1010	Upper Floor Construction	$752,516			
	B1020	Roof Construction	$872,764	**$1,625,280**	$34.96	12.2%
B20	**EXTERIOR CLOSURE**					
	B2010	Exterior Walls	$1,563,322			
	B2020	Windows	$1,476,830			
	B2030	Exterior Doors	$58,541	**$3,098,693**	$66.65	23.2%
B30	**ROOFING**					
	B3010	Roof Coverings	$829,620			
	B3020	Roof Openings	$12,500	**$842,120**	$18.11	6.3%
C10	**INTERIOR CONSTRUCTION**					
	C1010	Partitions	$981,733			
	C1020	Interior Doors	$185,972			
	C1030	Specialties/Millwork	$321,837	**$1,489,542**	$32.04	11.2%
C20	**STAIRCASES**					
	C2010	Stair Construction	$42,000			
	C2020	Stair Finishes	$7,330	**$49,330**	$1.06	0.4%
C30	**INTERIOR FINISHES**					
	C3010	Wall Finishes	$232,465			
	C3020	Floor Finishes	$325,451			
	C3030	Ceiling Finishes	$325,451	**$883,367**	$19.00	6.6%
D10	**CONVEYING SYSTEMS**					
	D1010	Elevator	$0	**$0**	$0.00	0.0%
D20	**PLUMBING**					
	D20	Plumbing	$557,916	**$557,916**	$12.00	4.2%

Bourne Elementary Schools 07-Mar-16
Design Options
Bourne, MA

Feasibility Design Submission GFA 46,493

CONSTRUCTION COST SUMMARY

OPTION 2A - NEW ADDITION TO ELEMENTARY SCHOOL

	BUILDING SYSTEM		*SUB-TOTAL*	*TOTAL*	*$/SF*	*%*
D30	**HVAC**					
	D30	HVAC	$1,673,748	**$1,673,748**	$36.00	12.5%
D40	**FIRE PROTECTION**					
	D40	Fire Protection	$209,219	**$209,219**	$4.50	1.6%
D50	**ELECTRICAL**					
	D5010	Complete System	$1,301,804	**$1,301,804**	$28.00	9.8%
E10	**EQUIPMENT**					
	E10	Equipment	$281,200	**$281,200**	$6.05	2.1%
E20	**FURNISHINGS**					
	E2010	Fixed Furnishings	$352,860			
	E2020	Movable Furnishings	NIC	**$352,860**	$7.59	2.6%
F10	**SPECIAL CONSTRUCTION**					
	F10	Special Construction	$0	**$0**	$0.00	0.0%
F20	**HAZMAT REMOVALS**					
	F2010	Building Elements Demolition	$0			
	F2020	Hazardous Components Abatement	$0	**$0**	$0.00	0.0%
	TOTAL DIRECT COST (Trade Costs)			***$13,349,218***	*$287.12*	*100.0%*

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
OPTION 2A - NEW ADDITION TO ELEMENTARY SCHOOL							
	GROSS FLOOR AREA CALCULATION						
	First Floor			26,563			
	Second Floor			19,930			
	TOTAL GROSS FLOOR AREA (GFA)					**46,493**	***sf***
A10	***FOUNDATIONS***						
A1010	**STANDARD FOUNDATIONS**						
	Strip footings - 3'-0" x 2'-0"						
	Excavation	**1,231**	cy	12.00	14,772		
	Store on site for reuse	**1,231**	cy	14.00	17,234		
	Backfill with new fill	**1,009**	cy	16.00	16,144		
	Formwork	**3,800**	sf	11.00	41,800		
	Re-bar, 10#/lf	**9,500**	lbs	1.20	11,400		
	Concrete material; 3,000 psi	**222**	cy	125.00	27,750		
	Placing concrete	**222**	cy	55.00	12,210		
	Foundation walls at exterior - 16" thick						
	Formwork	**7,600**	sf	12.50	95,000		
	Re-bar, 4#/sf	**15,200**	lbs	1.20	18,240		
	Concrete material; 4,000 psi	**172**	cy	135.00	23,220		
	Placing concrete	**172**	cy	65.00	11,180		
	Dampproofing foundation wall and footing	**5,700**	sf	1.90	NIC		
	Insulation to foundation walls; 2" thick	**3,800**	sf	2.50	9,500		
	Form shelf	**950**	lf	8.00	7,600		
	Thickened slab at interior load bearing walls						
	Excavation	**130**	cy	12.00	1,560		
	Store on site for reuse	**130**	cy	14.00	1,820		
	Backfill with new fill	**118**	cy	16.00	1,888		
	Formwork	**200**	sf	11.00	2,200		
	Re-bar, 10#/lf	**1,000**	lbs	1.20	1,200		
	Concrete material; 3,000 psi	**12**	cy	125.00	1,500		
	Placing concrete	**12**	cy	55.00	660		
	Exterior column footings, typical, 8' x 8' x 2'-0"						
	Excavation	**659**	cy	15.00	9,885		
	Store on site for reuse	**659**	cy	14.00	9,226		
	Backfill with new fill	**465**	cy	16.00	7,440		
	Formwork	**2,496**	sf	11.00	27,456		
	Re-bar,150/cy	**29,100**	lbs	1.20	34,920		
	Concrete material; 3,000 psi	**194**	cy	125.00	24,250		
	Placing concrete	**194**	cy	55.00	10,670		
	Set anchor bolts grout plates	**39**	ea	150.00	5,850		
	Interior column footings, typical, 9' x 9' x 2'-0"						
	Excavation	**218**	cy	15.00	3,270		
	Store on site for reuse	**218**	cy	14.00	3,052		
	Backfill with new fill	**149**	cy	16.00	2,384		
	Formwork	**792**	sf	11.00	8,712		
	Re-bar,150/cy	**8,250**	lbs	1.20	9,900		
	Concrete material; 3,000 psi	**69**	cy	125.00	8,625		
	Placing concrete	**69**	cy	55.00	3,795		
	Set anchor bolts grout plates	**11**	ea	150.00	1,650		
	Perimeter drainage system per geotech	**950**	lf	18.00	17,100		

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
OPTION 2A - NEW ADDITION TO ELEMENTARY SCHOOL							
	Allowance for foundations against existing building	**293**	lf	340.00	99,620		
	SUBTOTAL					604,683	
A1020	**SPECIAL FOUNDATIONS**						
	No Work in this section						
	SUBTOTAL						
A1030	**LOWEST FLOOR CONSTRUCTION**						
	New Slab on grade, 5" thick						
	Structural gravel fill, 8"	**656**	cy	30.00	19,680		
	Base course, 8" gravel	**656**	cy	35.00	22,960		
	Rigid insulation	**26,563**	sf	2.25	59,767		
	Vapor barrier	**26,563**	sf	0.75	19,922		
	Under slab drainage -allow	**26,563**	sf	2.50	66,408		
	Mesh reinforcing 15% lap	**30,547**	sf	0.80	24,438		
	Concrete - 5" thick	**434**	cy	125.00	54,250		
	Placing concrete	**434**	cy	45.00	19,530		
	Finishing and curing concrete	**26,563**	sf	1.50	39,845		
	Control joints - saw cut	**26,563**	sf	0.10	2,656		
	Miscellaneous						
	New Elevator pits	**1**	ea	25,000.00	25,000		
	New loading dock - allow	**1**	ls	20,000.00	20,000		
	Equipment pads - allow	**1**	ls	5,000.00	5,000		
	SUBTOTAL					379,456	
	TOTAL - FOUNDATIONS						**$984,139**
A20	***BASEMENT CONSTRUCTION***						
A2010	**BASEMENT EXCAVATION**						
	No items in this section						
	SUBTOTAL					-	
A2020	**BASEMENT WALLS**						
	No items in this section						
	SUBTOTAL					-	
	TOTAL - BASEMENT CONSTRUCTION						
B10	***SUPERSTRUCTURE***						
		12	lbs/sf				
B1010	**FLOOR CONSTRUCTION**	289	tns				
	Floor Structure - Steel:						
	Steel beams and columns; 13/SF	**130**	tns	3,400.00	442,000		
	Shear studs	**3,986**	ea	2.50	9,965		
	Floor Structure						
	3" Metal floor Deck	**19,930**	sf	4.00	79,720		
	WWF reinforcement	**22,920**	sf	0.80	18,336		
	Concrete Fill to metal deck; 5 1/4" Light weight	**318**	cy	170.00	54,060		
	Place and finish concrete	**19,930**	sf	2.00	39,860		
	Misc. perimeter angles	**950**	lf	25.00	23,750		
	Miscellaneous						
	Fire proofing to columns and beams	**19,930**	sf	2.50	49,825		

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
OPTION 2A - NEW ADDITION TO ELEMENTARY SCHOOL							
	Reinforce existing roof for new floor	**1**	ls	30,000.00	30,000		
	Fire stopping floors	**1**	flrs	5,000.00	5,000		
	SUBTOTAL					752,516	
B1020	**ROOF CONSTRUCTION**						
	Roof Structure - Steel:						
	Steel beams/Joists; 12#/SF	**159**	tns	3,400.00	540,600		
	Roof Structure						
	3" Metal floor Deck @ roof	**15,263**	sf	4.00	61,052		
	Acoustic deck at gym, 3", type NA	**11,300**	sf	7.00	79,100		
	Roof Structure @ Mech Equipment/Low roof						
	WWF reinforcement	**9,315**	sf	0.80	7,452		
	Concrete Fill to metal deck; 5 1/4" Light weight	**129**	cy	170.00	21,930		
	Place and finish concrete	**8,100**	sf	3.00	24,300		
	Miscellaneous						
	Canopy framing - allow	**1**	ls	30,000.00	30,000		
	Roof screen framing - allow	**1,100**	sf	20.00	22,000		
	Fire proofing to columns, beams and deck	**26,563**	sf	3.25	86,330		
	SUBTOTAL					872,764	
	TOTAL - SUPERSTRUCTURE						**$1,625,280**
B20	***EXTERIOR CLOSURE***						
B2010	**EXTERIOR WALLS**	*20,433*	sf				
	Interior skin						
	8" metal stud backup	**17,715**	sf	8.00	141,720		
	Batt insulation in stud	**17,715**	sf	2.25	39,859		
	2 1/2" Rigid Insulation	**17,715**	sf	3.00	53,145		
	Air barrier	**17,715**	sf	6.00	106,290		
	Air barrier/flashing at windows	**2,827**	lf	7.00	19,789		
	Gypsum Sheathing	**17,715**	sf	2.75	48,716		
	Drywall lining to interior face of stud backup	**17,715**	sf	3.00	53,145		
	Interior skin @ Gym and stage						
	8" CMU backup	**2,718**	sf	22.00	59,796		
	2 1/2" Rigid Insulation	**2,718**	sf	3.00	8,154		
	Air barrier	**2,718**	sf	6.00	16,308		
	Premium for GF block	**2,718**	sf	5.00	13,590		
	Exterior skin						
	Brick veneer	**13,486**	sf	35.00	472,010		
	Metal panels	**6,947**	sf	60.00	416,820		
	Miscellaneous						
	Aluminum sign at main entrance	**1**	ls	10,000.00	10,000		
	Staging to exterior wall	**34,660**	sf	3.00	103,980		
	SUBTOTAL					1,563,322	
B2020	**WINDOWS**	*14,227*	sf				
	Curtainwall	**5,660**	sf	110.00	622,600		
	Premium for sunscreen and light shelf elements	**1**	ls	50,000.00	50,000		
	Windows/storefront	**8,567**	sf	85.00	728,195		
	Louvers (allowance)	**250**	sf	60.00	15,000		
	Backer rod & double sealant	**4,695**	lf	9.00	42,255		
	Wood blocking at openings	**4,695**	lf	4.00	18,780		

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
OPTION 2A - NEW ADDITION TO ELEMENTARY SCHOOL							
	SUBTOTAL					1,476,830	
B2030	**EXTERIOR DOORS**						
	Glazed entrance doors including frame and hardware; double door	**5**	pr	8,000.00	40,000		
	HM doors, frames and hardware- Double	**2**	pr	3,600.00	7,200		
	HM doors, frames and hardware- Single	**1**	ea	1,800.00	1,800		
	Coiling door at Loading dock	**1**	ls	7,500.00	7,500		
	Backer rod & double sealant	**157**	lf	9.00	1,413		
	Wood blocking at openings	**157**	lf	4.00	628		
	SUBTOTAL					58,541	
	TOTAL - EXTERIOR CLOSURE						**$3,098,693**
B30	***ROOFING***						
B3010	**ROOF COVERINGS**						
	Flat roofing						
	PVC roof membrane fully adhered	**26,563**	sf	7.50	199,223		
	Insulation	**26,563**	sf	6.00	159,378		
	1/2" dens-deck protection board	**26,563**	sf	2.00	53,126		
	Reinforced vapor barrier	**26,563**	sf	1.00	26,563		
	Rough blocking	**1,400**	lf	6.00	8,400		
	Miscellaneous Roofing						
	Premium for green roof	**1,233**	sf	30.00	36,990		
	Premium for sloped roof	**6,222**	sf	20.00	124,440		
	Canopies - allow	**300**	sf	75.00	22,500		
	Roof screens - allow	**1,100**	sf	50.00	55,000		
	Roof fascia/cornice	**1,400**	lf	90.00	126,000		
	Roof ladders	**1**	ls	3,000.00	3,000		
	Walk pads	**1**	ls	15,000.00	15,000		
	SUBTOTAL					829,620	
B3020	**ROOF OPENINGS**						
	Skylights, allow	**1**	ls	10,000.00	10,000		
	Roof hatch	**1**	loc	2,500.00	2,500		
	SUBTOTAL					12,500	
	TOTAL - ROOFING						**$842,120**
C10	***INTERIOR CONSTRUCTION***						
C1010	**PARTITIONS**						
	Reinforced masonry shear walls at Gymnasium & Stage	**2,910**	sf	23.00	66,930		
	Stairs/Elevator; 2 HR rated	**3,220**	sf	16.00	51,520		
	Corridors; GWB with 2 lyrs corridor side	**18,088**	sf	15.55	281,268		
	Demising; Metal stud w/ 2 layers gwb	**7,210**	sf	17.35	125,094		
	Partitions at Admin spaces, back of house etc.	**2,170**	sf	15.85	34,395		
	Partitions at existing exterior wall	**6,034**	sf	15.00	90,510		
	Sealants & caulking at partitions	**33,598**	sf	0.50	16,799		
	Rough blocking to partitions	**2,584**	lf	3.00	7,752		
	Glazed partitions/borrowed lights - allowance	**1**	ls	75,000.00	75,000		
	Miscellaneous partitions not yet shown	**46,493**	gsf	5.00	232,465		
	SUBTOTAL					981,733	
C1020	**INTERIOR DOORS**						

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
OPTION 2A - NEW ADDITION TO ELEMENTARY SCHOOL							
	Allowance for specialty doors, doors and hardware	**46,493**	gsf	4.00	185,972		
	SUBTOTAL					185,972	
C1030	**SPECIALTIES / MILLWORK**						
	Toilet Partitions and accessories	**46,493**	gsf	0.80	37,194		
	Backer panels in electrical closets	**1**	ls	1,000.00	1,000		
	Marker boards/tackboards in classrooms, offices, conference rooms, library and MP rooms; 20' tackboard w/ 8' markerboard in each Educational space	**46,493**	sf	1.00	46,493		
	Building directory	**1**	loc	3,000.00	3,000		
	Bronze dedication plaque	**1**	loc	2,500.00	2,500		
	Room Signs	**46,493**	gsf	0.40	18,597		
	Fire extinguisher cabinets	**15**	ea	350.00	5,250		
	Cubbies	**46,493**	gsf	0.80	37,194		
	Janitors Closet Accessories	**1**	ls	1,000.00	1,000		
	Shelving in storage rooms	**1**	ls	10,000.00	10,000		
	Staff mailboxes/casework	**1**	ls	5,000.00	5,000		
	Reception desk in Media - allowance	**1**	ls	20,000	20,000		
	Library shelving				F,F & E		
	Display cases	**1**	ls	30,000.00	30,000		
	Miscellaneous metals throughout building	**46,493**	sf	1.00	46,493		
	Miscellaneous sealants throughout building	**46,493**	sf	1.25	58,116		
	SUBTOTAL					321,837	
	TOTAL - INTERIOR CONSTRUCTION						**$1,489,542**
C20	***STAIRCASES***						
C2010	**STAIR CONSTRUCTION**						
	Stage stairs, wood	**2**	flts	5,000.00	10,000		
	Metal pan stair; egress stair	**1**	flt	30,000.00	30,000		
	Concrete fill to stairs	**1**	flt	2,000.00	2,000		
	SUBTOTAL					42,000	
C2020	**STAIR FINISHES**						
	High performance coating to stairs including all railings etc.	**1**	flt	3,000.00	3,000		
	Rubber tile at stairs - landings	**150**	sf	12.00	1,800		
	Rubber tile at stairs - treads & risers	**115**	lft	22.00	2,530		
	SUBTOTAL					7,330	
	TOTAL - STAIRCASES						**$49,330**
C30	***INTERIOR FINISHES***						
C3010	**WALL FINISHES**						
	Allowance for wall finishes	**46,493**	gsf	5.00	232,465		
	SUBTOTAL					232,465	
C3020	**FLOOR FINISHES**						
	Allowance for floor finishes	**46,493**	gsf	7.00	325,451		
	SUBTOTAL					325,451	
C3030	**CEILING FINISHES**						
	Allowance for ceiling finishes	**46,493**	sf	7.00	325,451		
	SUBTOTAL					325,451	

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
OPTION 2A - NEW ADDITION TO ELEMENTARY SCHOOL							
	TOTAL - INTERIOR FINISHES						**$883,367**
D10	***CONVEYING SYSTEMS***						
D1010	**ELEVATOR**						
	SUBTOTAL					-	
	TOTAL - CONVEYING SYSTEMS						
D20	***PLUMBING***						
D20	**PLUMBING, GENERALLY**						
	Plumbing; complete system	**46,493**	gsf	12.00	557,916		
	SUBTOTAL					557,916	
	TOTAL - PLUMBING						**$557,916**
D30	***HVAC***						
D30	**HVAC, GENERALLY**						
	HVAC complete system	**46,493**	gsf	36.00	1,673,748		
	SUBTOTAL					1,673,748	
	TOTAL - HVAC						**$1,673,748**
D40	***FIRE PROTECTION***						
D40	**FIRE PROTECTION, GENERALLY**						
	Sprinkler system	**46,493**	gsf	4.50	209,219		
	SUBTOTAL					209,219	
	TOTAL - FIRE PROTECTION						**$209,219**
D50	***ELECTRICAL***						
D5010	**COMPLETE ELECTRICAL SYSTEM**						
	Electrical system; complete	**46,493**	gsf	28.00	1,301,804		
	SUBTOTAL					1,301,804	
	TOTAL - ELECTRICAL						**$1,301,804**
E10	***EQUIPMENT***						
E10	**EQUIPMENT, GENERALLY**						
	Gym wall pads	**1**	ls	10,000.00	10,000		
	Basketball backstops; swing up; electric operated	**4**	ea	9,800.00	39,200		
	Gymnasium dividing net; electrically operated	**1**	loc	45,000.00	45,000		
	Volleyball net and standards	**1**	ea	2,000.00	2,000		
	Telescoping bleachers	**1**	ls	25,000.00	25,000		
	Theatrical Equipment Stage curtains, rigging and controls	**1**	ls		In Reno		
	Stage lighting and dimming	**1**	ls		In Reno		
	Food Service equipment	**1**	ls	150,000.00	150,000		
	Electrically operated projection screens	**1**	loc	10,000.00	10,000		
	AV Equipment (including Smartboards, Projectors, LED monitors, Digital information displays etc.)				FF+E		
	SUBTOTAL					281,200	

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
OPTION 2A - NEW ADDITION TO ELEMENTARY SCHOOL							
	TOTAL - EQUIPMENT						**$281,200**
	E20 FURNISHINGS						
E2010	**FIXED FURNISHINGS**						
	Entry mats & frames - recessed with carpet/rubber strips	**500**	sf	45.00	22,500		
	Manual operated roller shades	**8,567**	sf	6.00	51,402		
	Counters, base cabinets, tall storage in classrooms and other rooms	**46,493**	gsf	6.00	278,958		
	SUBTOTAL					352,860	
E2020	**MOVABLE FURNISHINGS**						
	All movable furnishings to be provided and installed by owner						
	SUBTOTAL					NIC	
	TOTAL - FURNISHINGS						**$352,860**
	F10 SPECIAL CONSTRUCTION						
F10	**SPECIAL CONSTRUCTION**						
	No Work in this section						
	SUBTOTAL						
	TOTAL - SPECIAL CONSTRUCTION						
	F20 SELECTIVE BUILDING DEMOLITION						
F2010	**BUILDING ELEMENTS DEMOLITION**						
	See main summary for demolition of existing buildings						
	SUBTOTAL						
F2020	**HAZARDOUS COMPONENTS ABATEMENT**						
	See main summary for HazMat allowance				See Summary		
	SUBTOTAL						
	TOTAL - SELECTIVE BUILDING DEMOLITION						

Bourne Elementary Schools 07-Mar-16
Design Options
Bourne, MA

Feasibility Design Submission GFA 68,100

CONSTRUCTION COST SUMMARY

	BUILDING SYSTEM		*SUB-TOTAL*	*TOTAL*	*$/SF*	*%*
OPTION 2A - RENOVATION TO ELEMENTARY SCHOOL						
A10	**FOUNDATIONS**					
	A1010	Standard Foundations	$0			
	A1020	Special Foundations	$0			
	A1030	Lowest Floor Construction	$99,290	**$99,290**	$1.46	2.3%
A20	**BASEMENT CONSTRUCTION**					
	A2010	Basement Excavation	$0			
	A2020	Basement Walls	$0	**$0**	$0.00	0.0%
B10	**SUPERSTRUCTURE**					
	B1010	Upper Floor Construction	$20,000			
	B1020	Roof Construction	$0	**$20,000**	$0.29	0.5%
B20	**EXTERIOR CLOSURE**					
	B2010	Exterior Walls	$232,262			
	B2020	Windows	$0			
	B2030	Exterior Doors	$0	**$232,262**	$3.41	5.4%
B30	**ROOFING**					
	B3010	Roof Coverings	$147,000			
	B3020	Roof Openings	$0	**$147,000**	$2.16	3.4%
C10	**INTERIOR CONSTRUCTION**					
	C1010	Partitions	$325,732			
	C1020	Interior Doors	$167,800			
	C1030	Specialties/Millwork	$280,855	**$774,387**	$11.37	17.9%
C20	**STAIRCASES**					
	C2010	Stair Construction	$0			
	C2020	Stair Finishes	$14,660	**$14,660**	$0.22	0.3%
C30	**INTERIOR FINISHES**					
	C3010	Wall Finishes	$297,450			
	C3020	Floor Finishes	$252,700			
	C3030	Ceiling Finishes	$159,296	**$709,446**	$10.42	16.4%
D10	**CONVEYING SYSTEMS**					
	D1010	Elevator	$0	**$0**	$0.00	0.0%
D20	**PLUMBING**					
	D20	Plumbing	$219,600	**$219,600**	$3.22	5.1%

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Design Options
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CONSTRUCTION COST SUMMARY

OPTION 2A - RENOVATION TO ELEMENTARY SCHOOL

	BUILDING SYSTEM		*SUB-TOTAL*	*TOTAL*	*$/SF*	*%*
D30	**HVAC**					
	D30	HVAC	$882,600	**$882,600**	$12.96	20.4%
D40	**FIRE PROTECTION**					
	D40	Fire Protection	$136,200	**$136,200**	$2.00	3.1%
D50	**ELECTRICAL**					
	D5010	Complete System	$735,500	**$735,500**	$10.80	17.0%
E10	**EQUIPMENT**					
	E10	Equipment	$115,125	**$115,125**	$1.69	2.7%
E20	**FURNISHINGS**					
	E2010	Fixed Furnishings	$123,300			
	E2020	Movable Furnishings	NIC	**$123,300**	$1.81	2.8%
F10	**SPECIAL CONSTRUCTION**					
	F10	Special Construction	$0	**$0**	$0.00	0.0%
F20	**HAZMAT REMOVALS**					
	F2010	Building Elements Demolition	$126,401			
	F2020	Hazardous Components Abatement	$0	**$126,401**	$1.86	2.9%
	TOTAL DIRECT COST (Trade Costs)			***$4,335,771***	*$63.67*	*100.0%*

	CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
		OPTION 2A - RENOVATION TO ELEMENTARY SCHOOL						
		GROSS FLOOR AREA CALCULATION						
		First Floor			49,645			
		Second Floor			18,455			
		TOTAL GROSS FLOOR AREA (GFA)				**68,100** ***sf***		
	A10	***FOUNDATIONS***						
	A1010	**STANDARD FOUNDATIONS**						
		Allowance for miscellaneous foundation work for seismic upgrades	**49,645**	sf	5.00	Assumed Not Required		
		SUBTOTAL					-	
	A1020	**SPECIAL FOUNDATIONS**						
		No Work in this section						
		SUBTOTAL						
	A1030	**LOWEST FLOOR CONSTRUCTION**						
PR		Allowance for patching of existing slabs disturbed by new work	**49,645**	sf	2.00	99,290		
		Miscellaneous						
		New Elevator pits	**1**	ea	25,000.00	In Addition		
		New loading dock - allow	**1**	ls	20,000.00	In Addition		
		Equipment pads - allow	**1**	ls	5,000.00	In Addition		
		SUBTOTAL					99,290	
		TOTAL - FOUNDATIONS						**$99,290**
	A20	***BASEMENT CONSTRUCTION***						
	A2010	**BASEMENT EXCAVATION**						
		No items in this section						
		SUBTOTAL					-	
	A2020	**BASEMENT WALLS**						
		No items in this section						
		SUBTOTAL					-	
		TOTAL - BASEMENT CONSTRUCTION						
	B10	***SUPERSTRUCTURE***						
	B1010	**FLOOR CONSTRUCTION**						
		Allowance for seismic upgrades	**49,645**	sf	8.00	Assumed Not Required		
PR		New penetrations to existing structure	**1**	ls	15,000.00	15,000		
PR		Fire stopping floors	**1**	flrs	5,000.00	5,000		
		SUBTOTAL					20,000	
	B1020	**ROOF CONSTRUCTION**						
		Allowance for seismic upgrades	**18,455**	sf	8.00	Assumed Not Required		
		SUBTOTAL					-	
		TOTAL - SUPERSTRUCTURE						**$20,000**

CSI CODE		DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
		OPTION 2A - RENOVATION TO ELEMENTARY SCHOOL						
		B20 EXTERIOR CLOSURE						
		B2010 EXTERIOR WALLS						
		Miscellaneous						
PR		Demolition/ create opes/ tie in at existing exterior closure @ connection to new additions	**224**	sf	25.00	5,600		
RJ		Clean CMU stains/Mildew and seal	**18,596**	sf	9.50	176,662		
RJ		Clean precast stains/Mildew	**1**	ls	15,000.00	15,000		
BT		Precast sills rake and repoint	**1**	ls	20,000.00	20,000		
BT		Replace masonry control joint	**1,000**	lf	15.00	15,000		
		SUBTOTAL					232,262	
		B2020 WINDOWS						
		Curtainwall replace existing		sf	120.00	ETR		
		Windows/storefront replace existing		sf	85.00	ETR		
		Backer rod & double sealant		lf	9.00	ETR		
		Wood blocking at openings		lf	4.00	ETR		
		SUBTOTAL					-	
		B2030 EXTERIOR DOORS						
		Glazed entrance doors including frame and hardware; double door		pr	8,000.00	ETR		
		HM doors, frames and hardware- Double		pr	3,600.00	ETR		
		HM doors, frames and hardware- Single		ea	1,800.00	ETR		
		Coiling door at Loading dock		ls	7,500.00	ETR		
		Backer rod & double sealant		lf	9.00	ETR		
		Wood blocking at openings		lf	4.00	ETR		
		SUBTOTAL					-	
		TOTAL - EXTERIOR CLOSURE						**$232,262**
		B30 ROOFING						
		B3010 ROOF COVERINGS						
		Flat roofing						
		Remove existing roof membrane down to insulation	**49,645**	sf	3.00	ETR		
		PVC roof membrane fully adhered	**49,645**	sf	7.50	ETR		
		Insulation	**49,645**	sf	6.00	ETR		
		1/2" dens-deck protection board	**49,645**	sf	2.00	ETR		
		Reinforced vapor barrier	**49,645**	sf	1.00	ETR		
		Rough blocking	**1**	lf	6.00	ETR		
		Miscellaneous Roofing						
BT		Repair existing roofing	**1**	ls	120,000.00	120,000		
BT		Roof flashing repair at low roofs	**300**	lf	90.00	27,000		
		Roof ladders	**1**	ls	3,000.00	ETR		
		Walk pads	**1**	ls	7,500.00	ETR		
		SUBTOTAL					147,000	
		B3020 ROOF OPENINGS						
		Roof hatch	**1**	loc	2,500.00	ETR		
		SUBTOTAL					-	
		TOTAL - ROOFING						**$147,000**

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Bourne Elementary Schools 09-Dec-15
Design Options
Bourne, MA

Feasibility Design Submission GFA 68,100

CSI CODE		DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
OPTION 2A - RENOVATION TO ELEMENTARY SCHOOL								
		C10 INTERIOR CONSTRUCTION						
		C1010 PARTITIONS						
	PR	Allowance to modify/replace existing partitions at extensive renovation	**15,800**	sf	18.00	284,400		
	PR	Allowance for minor patching at existing partitions at minimal renovation	**1**	ls	41,332.00	41,332		
		SUBTOTAL					325,732	
		C1020 INTERIOR DOORS						
	PR	Allowance for specialty doors, doors and hardware	**15,800**	gsf	4.00	63,200		
	PR	Allowance for ADA hardware at minimal renovation areas	**52,300**	gsf	2.00	104,600		
		SUBTOTAL					167,800	
		C1030 SPECIALTIES / MILLWORK						
	PR	Toilet Partitions and accessories	**15,800**	gsf	0.80	12,640		
	PR	Backer panels in electrical closets	**1**	ls	1,000.00	1,000		
	PR	Marker boards/tackboards in classrooms, offices, conference rooms, library and MP rooms; 20' tackboard w/ 8' markerboard in each Educational space	**15,800**	sf	1.00	15,800		
		Building directory	**1**	loc	3,000.00	In Addition		
		Bronze dedication plaque	**1**	loc	2,500.00	In Addition		
	PR	Room Signs	**68,100**	gsf	0.40	27,240		
	PR	Fire extinguisher cabinets	**23**	ea	350.00	8,050		
		Corridor Lockers	**68,100**	gsf	1.00	ETR		
	PR	Janitors Closet Accessories	**1**	ls	1,000.00	1,000		
	PR	Shelving in storage rooms	**1**	ls	10,000.00	10,000		
		Staff mailboxes/casework	**1**	ls	5,000.00	In Addition		
		Reception desk in Media - allowance	**1**	ls	20,000	In Addition		
		Library shelving				F,F & E		
	BT	Student cubbies in classrooms	**20**	rms	6,000.00	120,000		
		Display cases	**1**	ls	15,000.00	ETR		
	PR	Miscellaneous metals throughout building	**68,100**	sf	0.75	51,075		
	PR	Miscellaneous sealants throughout building	**68,100**	sf	0.50	34,050		
		SUBTOTAL					280,855	
		TOTAL - INTERIOR CONSTRUCTION						**$774,387**
		C20 STAIRCASES						
		C2010 STAIR CONSTRUCTION						
		Metal pan stair; egress stair; modify existing	**2**	flt	10,000.00	Assumed Not Required		
		Concrete fill to stairs	**2**	flt	2,000.00	NIC		
		SUBTOTAL					-	
		C2020 STAIR FINISHES						
	PR	High performance coating to stairs including all railings etc.	**2**	flt	3,000.00	6,000		
	PR	Rubber tile at stairs - landings	**300**	sf	12.00	3,600		
	PR	Rubber tile at stairs - treads & risers	**230**	lft	22.00	5,060		
		SUBTOTAL					14,660	
		TOTAL - STAIRCASES						**$14,660**

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Bourne Elementary Schools 09-Dec-15
Design Options
Bourne, MA

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	CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
		OPTION 2A - RENOVATION TO ELEMENTARY SCHOOL						
		C30 INTERIOR FINISHES						
		C3010 WALL FINISHES						
PR		Allowance for wall finishes at extensive renovation	**15,800**	gsf	5.00	79,000		
PR		Allowance for Plam wainscot in corridors	**4,000**	sf	35.00	140,000		
RJ		Allowance for painting at minor renovation	**52,300**	gsf	1.50	78,450		
		SUBTOTAL					297,450	
		C3020 FLOOR FINISHES						
PR		Allowance for floor finishes at extensive renovation	**15,800**	gsf	7.00	110,600		
BT		Allowance for floor finishes at main street	**1,500**	sf	25.00	37,500		
PR		Allowance for floor finishes at minor renovation	**1**	ls	104,600.00	104,600		
		SUBTOTAL					252,700	
		C3030 CEILING FINISHES						
PR		Allowance for ceiling finishes at extensive renovation	**15,800**	sf	7.00	110,600		
BT		Allowance for ceiling finishes at main street	**1,500**	sf	16.00	24,000		
PR		Allowance for ceiling finishes at minor renovation	**1**	ls	24,696.00	24,696		
		SUBTOTAL					159,296	
		TOTAL - INTERIOR FINISHES						**$709,446**
		D10 CONVEYING SYSTEMS						
		D1010 ELEVATOR						
		SUBTOTAL					-	
		TOTAL - CONVEYING SYSTEMS						
		D20 PLUMBING						
		D20 PLUMBING, GENERALLY						
PR		Plumbing; complete system at extensive renovation	**15,800**	gsf	12.00	189,600		
		Plumbing; assume limited work at minor renovation	**1**	ls	30,000.00	30,000		
		SUBTOTAL					219,600	
		TOTAL - PLUMBING						**$219,600**
		D30 HVAC						
		D30 HVAC, GENERALLY						
PR		HVAC complete system at extensive renovation	**15,800**	gsf	36.00	568,800		
PR		HVAC modifications at minor renovation	**52,300**	gsf	6.00	313,800		
		SUBTOTAL					882,600	
		TOTAL - HVAC						**$882,600**
		D40 FIRE PROTECTION						
		D40 FIRE PROTECTION, GENERALLY						
PR		Sprinkler system; modify existing	**68,100**	gsf	2.00	136,200		
		SUBTOTAL					136,200	
		TOTAL - FIRE PROTECTION						**$136,200**
		D50 ELECTRICAL						
		D5010 COMPLETE ELECTRICAL SYSTEM						

CSI CODE		DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
OPTION 2A - RENOVATION TO ELEMENTARY SCHOOL								
218	PR	Electrical system; complete at extensive renovation	**15,800**	gsf	30.00	474,000		
219	PR	Electrical modifications at minor renovation	**52,300**	gsf	5.00	261,500		
220		SUBTOTAL					735,500	
221								
222								
223		***TOTAL - ELECTRICAL***						**$735,500**
224								
225								
226		***E10 EQUIPMENT***						
227								
228		**E10 EQUIPMENT, GENERALLY**						
229		Gym wall pads	**1**	ls	10,000.00	In Addition		
230		Basketball backstops; swing up; electric operated	**4**	ea	9,800.00	In Addition		
231		Gymnasium dividing net; electrically operated	**1**	loc	45,000.00	In Addition		
232		Volleyball net and standards	**1**	ea	2,000.00	In Addition		
233		Telescoping bleachers	**1**	ls	25,000.00	In Addition		
234	PR	Theatrical Equipment Stage curtains, rigging and controls	**1**	ls	75,000.00	75,000		
235	PR	Stage lighting and dimming	**1**	ls	29,000.00	29,000		
236		Food Service equipment	**1**	ls	350,000.00	In Addition		
237	PR	Electrically operated projection screens	**1**	loc	11,125.00	11,125		
238		AV Equipment (including Smartboards, Projectors, LED monitors, Digital information displays etc.)				FF+E		
239		SUBTOTAL					115,125	
240								
241		***TOTAL - EQUIPMENT***						**$115,125**
242								
243								
244		***E20 FURNISHINGS***						
245								
246		**E2010 FIXED FURNISHINGS**						
247	PR	Entry mats & frames - recessed with carpet/rubber strips	**500**	sf	45.00	22,500		
247	BT	Rollar shades at door vision lights	**40**	ea	150.00	6,000		
248		Manual operated roller shades		sf	6.00	ETR		
249	PR	Counters, base cabinets, tall storage in classrooms and other rooms at extensive renovations	**15,800**	gsf	6.00	94,800		
250		SUBTOTAL					123,300	
251								
252		**E2020 MOVABLE FURNISHINGS**						
253		All movable furnishings to be provided and installed by owner						
254		SUBTOTAL					NIC	
255								
256		***TOTAL - FURNISHINGS***						**$123,300**
257								
258								
259		***F10 SPECIAL CONSTRUCTION***						
260								
261		**F10 SPECIAL CONSTRUCTION**						
262		**No Work in this section**						
263		SUBTOTAL						
264								
265		***TOTAL - SPECIAL CONSTRUCTION***						
266								
267								
268		***F20 SELECTIVE BUILDING DEMOLITION***						
269								
270		**F2010 BUILDING ELEMENTS DEMOLITION**						
271	PR	Extensive demolition of renovation areas; finishes, doors, MEP systems, casework and specialties at extensive renovations	**15,800**	sf	8.00	126,400		

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Bourne Elementary Schools
Design Options
Bourne, MA

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Feasibility Design Submission

GFA 68,100

	CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
	OPTION 2A - RENOVATION TO ELEMENTARY SCHOOL							
272	PR	Minor demolition of renovation areas; finishes, doors, MEP systems, casework and specialties at minor renovations	**1**	sf	1.00	1		
273		Demo of exterior windows		sf	6.00	ETR		
274		Demo of roof included in Divisions above				ETR		
275		SUBTOTAL					126,401	
276								
277	**F2020**	**HAZARDOUS COMPONENTS ABATEMENT**						
278		See main summary for HazMat allowance				See Summary		
279		SUBTOTAL						
280								
281		***TOTAL - SELECTIVE BUILDING DEMOLITION***						**$126,401**

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
SITEWORK OPTION 2A							
	G SITEWORK						
G10	**SITE PREPARATION & DEMOLITION**						
	Site Demolitions and Relocations						
	Site construction fence	**2,150**	lf	14.00	30,100		
	Pavement/curbing removal - grind up asphalt to reuse	**130,900**	sf	0.80	104,720		
	Remove and dispose walkways	**1**	ls	10,000.00	10,000		
	Tree removal	**1**	ls	20,000.00	20,000		
	Misc. Tree Protection	**1**	ls	5,000.00	5,000		
	Remove and dispose of existing drainage structures and utilities	**1**	ls	40,000.00	40,000		
	SUBTOTAL					$209,820	
	Site Earthwork						
	Construction entrances/wheel washes (allowance)	**1**	loc	15,000.00	15,000		
	Strip topsoil, store on site for reuse	**2,481**	cy	8.00	19,848		
	Cut/fill	**18,519**	cy	6.00	111,114		
	Fine grading	**30,513**	sy	0.50	15,257		
	Silt fence/erosion control (allowance)	**2,150**	lf	12.00	25,800		
	Erosion Control monitoring & maintenance	**1**	ls	10,000.00	10,000		
	Hazardous Waste Remediation						
	No items in this section						
	SUBTOTAL					$197,019	
G20	**SITE IMPROVEMENTS**						
	Roadways and Parking Lots						
	Bituminous concrete paving	*134,814*					
	gravel base; 12" thick	**4,993**	cy	35.00	174,755		
	bituminous concrete; 4" thick	**14,979**	sy	25.00	374,475		
	6"x18" granite curb	**7,384**	lf	32.00	236,288		
	Single solid lines, 4" thick	**213**	space	25.00	5,325		
	Wheelchair Parking	**10**	space	75.00	750		
	Crosswalk Hatching	**2**	loc	900.00	1,800		
	Other road markings	**1**	ls	7,500.00	7,500		
	HC curb cuts	**4**	loc	1,100.00	4,400		
	New entrance sign	**1**	ls	10,000.00	10,000		
	New traffic signs	**1**	ls	5,000.00	5,000		
	SUBTOTAL					$820,293	
	Pedestrian paving						
	Bituminous concrete paving	*10,000*	sf				
	gravel base; 12" thick	**370**	cy	35.00	12,950		
	bituminous concrete; 3" thick	**1,111**	sy	28.00	31,108		
	Concrete Pavers						
	Concrete pavers						
	Precast concrete pavers	**5,606**	sf	16.00	89,696		
	gravel base; 8" thick	**139**	cy	35.00	4,865		
	dry pack; 2" thick	**33**	cy	22.00	726		
	concrete base; 4" thick	**5,606**	sf	5.00	28,030		
	Site Improvements						
	Bicycle racks	**10**	ea	800.00	8,000		
	45' Flag pole	**1**	loc	7,500.00	7,500		
	Flag pole base	**1**	loc	1,500.00	1,500		
	Ornamental trash/recycling receptacles	**10**	ea	800.00	8,000		
	Seating walls	**1**	ls	75,000.00	75,000		
	Segmented block retaining walls	**5,161**	sf	55.00	283,855		
	Dumpster enclosure	**100**	lf	60.00	6,000		
	Play surface	**4,166**	sf	16.00	66,656		
	Track surface	**8,334**	sf	8.00	66,672		

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
SITEWORK OPTION 2A							
	Play equipment	**1**	ls	180,000.00	180,000		
	Tennis Courts	*24,200*					
	Gravel base - 12" thick	**896**	cy	35.00	NIC		
	Tennis court surface - color coated acrylic over asphalt	**2,689**	sy	42.00	NIC		
	Nets and posts	**4**	courts	900.00	NIC		
	Vinyl CL Fencing; 10'	**643**	lf	55.00	NIC		
	Gate, single	**2**	ea	1,200.00	NIC		
	Landscaping & Plantings:						
	Spread existing amended topsoil @ seeded areas	**1,852**	cy	22.00	40,744		
	New seeded areas - L&S	**100,000**	sf	0.20	20,000		
	Trees	**12**	ea	1,000.00	12,000		
	Shrubs/plantings and Groundcover	**1**	ls	25,000.00	25,000		
	SUBTOTAL					$968,302	
G30	**CIVIL MECHANICAL UTILITIES**						
	Water supply						
	New fire DI piping; 8"	**660**	lf	80.00	52,800		
	New fire DI piping; 6"	**660**	lf	70.00	46,200		
	New fire hydrant	**2**	loc	2,600.00	5,200		
	FD connection	**1**	loc	2,000.00	2,000		
	Gate valves	**4**	loc	750.00	3,000		
	Connect to existing line (Wet Taps)	**1**	loc	5,000.00	5,000		
	Sanitary sewer						
	8" sewer	**700**	lf	48.00	33,600		
	Connect to existing	**1**	loc	1,500.00	1,500		
	6,000 gal grease trap	**1**	loc	12,000.00	12,000		
	SMH	**5**	loc	4,000.00	20,000		
	Increase septic reserve by 25%	**2,025**	sf	50.00	101,250		
	Storm Sewer						
	Allowance for stormwater management	**1**	ls	450,000.00	450,000		
	Gas and Telecom service						
	E&B trench for new lines, pipe and install by utilities						
	New gas service	**660**	lf	25.00	16,500		
	New telecom service	**660**	lf	25.00	16,500		
	SUBTOTAL					$765,550	
G40	**SITE ELECTRICAL**						
	Power						
	Tap main power source	**1**	ea	3,000.00	3,000		
	Primary ductbank	**660**	lf	65.00	42,900		
	Primary cabling				Utility company		
	Pad mounted transformer				Utility company		
	Secondary ductbank						
	Secondary ductbank cabling	**50**	lf	300.00	15,000		
	Generator ductbank						
	Generator ductbank	**50**	lf	250.00	12,500		
	Communications						
	Communications ductbank	**660**	lf	85.00	56,100		
	Site Lighting/Power						
	Site lighting, roadway, parking, pathways and landscaping	**1**	ls	100,000.00	100,000		
	SUBTOTAL					$229,500	
SUBTOTAL SITE DEVELOPMENT OPTION 2A							**$3,190,484**

Bourne Elementary Schools 07-Mar-16
Design Options
Bourne, MA

Feasibility Design Submission GFA 63,282

CONSTRUCTION COST SUMMARY

	BUILDING SYSTEM		*SUB-TOTAL*	*TOTAL*	*$/SF*	*%*
OPTION 3A - NEW ADDITION TO ELEMENTARY SCHOOL						
A10	**FOUNDATIONS**					
	A1010	Standard Foundations	$676,910			
	A1020	Special Foundations	$0			
	A1030	Lowest Floor Construction	$456,858	**$1,133,768**	$17.92	6.7%
A20	**BASEMENT CONSTRUCTION**					
	A2010	Basement Excavation	$0			
	A2020	Basement Walls	$0	**$0**	$0.00	0.0%
B10	**SUPERSTRUCTURE**					
	B1010	Upper Floor Construction	$1,116,938			
	B1020	Roof Construction	$1,047,211	**$2,164,149**	$34.20	12.8%
B20	**EXTERIOR CLOSURE**					
	B2010	Exterior Walls	$1,653,335			
	B2020	Windows	$1,525,589			
	B2030	Exterior Doors	$58,541	**$3,237,465**	$51.16	19.1%
B30	**ROOFING**					
	B3010	Roof Coverings	$1,006,256			
	B3020	Roof Openings	$12,500	**$1,018,756**	$16.10	6.0%
C10	**INTERIOR CONSTRUCTION**					
	C1010	Partitions	$1,307,155			
	C1020	Interior Doors	$253,128			
	C1030	Specialties/Millwork	$424,738	**$1,985,021**	$31.37	11.7%
C20	**STAIRCASES**					
	C2010	Stair Construction	$42,000			
	C2020	Stair Finishes	$7,330	**$49,330**	$0.78	0.3%
C30	**INTERIOR FINISHES**					
	C3010	Wall Finishes	$316,410			
	C3020	Floor Finishes	$442,974			
	C3030	Ceiling Finishes	$442,974	**$1,202,358**	$19.00	7.1%
D10	**CONVEYING SYSTEMS**					
	D1010	Elevator	$0	**$0**	$0.00	0.0%
D20	**PLUMBING**					
	D20	Plumbing	$759,384	**$759,384**	$12.00	4.5%

Bourne Elementary Schools
Design Options
Bourne, MA

07-Mar-16

Feasibility Design Submission

GFA 63,282

CONSTRUCTION COST SUMMARY

OPTION 3A - NEW ADDITION TO ELEMENTARY SCHOOL

	BUILDING SYSTEM		*SUB-TOTAL*	*TOTAL*	*$/SF*	*%*
D30	**HVAC**					
	D30	HVAC	$2,278,152	**$2,278,152**	$36.00	13.4%
D40	**FIRE PROTECTION**					
	D40	Fire Protection	$284,769	**$284,769**	$4.50	1.7%
D50	**ELECTRICAL**					
	D5010	Complete System	$1,898,460	**$1,898,460**	$30.00	11.2%
E10	**EQUIPMENT**					
	E10	Equipment	$481,200	**$481,200**	$7.60	2.8%
E20	**FURNISHINGS**					
	E2010	Fixed Furnishings	$459,348			
	E2020	Movable Furnishings	NIC	**$459,348**	$7.26	2.7%
F10	**SPECIAL CONSTRUCTION**					
	F10	Special Construction	$0	**$0**	$0.00	0.0%
F20	**HAZMAT REMOVALS**					
	F2010	Building Elements Demolition	$0			
	F2020	Hazardous Components Abatement	$0	**$0**	$0.00	0.0%
	TOTAL DIRECT COST (Trade Costs)			***$16,952,160***	*$267.88*	*100.0%*

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
OPTION 3A - NEW ADDITION TO ELEMENTARY SCHOOL							
	GROSS FLOOR AREA CALCULATION						
	First Floor			32,804			
	Second Floor			30,478			
	TOTAL GROSS FLOOR AREA (GFA)					**63,282**	***sf***
A10	***FOUNDATIONS***						
A1010	**STANDARD FOUNDATIONS**						
	Strip footings - 3'-0" x 2'-0"						
	Excavation	**1,233**	cy	12.00	14,796		
	Store on site for reuse	**1,233**	cy	14.00	17,262		
	Backfill with new fill	**1,011**	cy	16.00	16,176		
	Formwork	**3,804**	sf	11.00	41,844		
	Re-bar, 10#/lf	**9,510**	lbs	1.20	11,412		
	Concrete material; 3,000 psi	**222**	cy	125.00	27,750		
	Placing concrete	**222**	cy	55.00	12,210		
	Foundation walls at exterior - 16" thick						
	Formwork	**7,608**	sf	12.50	95,100		
	Re-bar, 4#/sf	**15,216**	lbs	1.20	18,259		
	Concrete material; 4,000 psi	**173**	cy	135.00	23,355		
	Placing concrete	**173**	cy	65.00	11,245		
	Dampproofing foundation wall and footing	**5,706**	sf	1.90	NIC		
	Insulation to foundation walls; 2" thick	**3,804**	sf	2.50	9,510		
	Form shelf	**951**	lf	8.00	7,608		
	Thickened slab at interior load bearing walls						
	Excavation	**130**	cy	12.00	1,560		
	Store on site for reuse	**130**	cy	14.00	1,820		
	Backfill with new fill	**118**	cy	16.00	1,888		
	Formwork	**200**	sf	11.00	2,200		
	Re-bar, 10#/lf	**1,000**	lbs	1.20	1,200		
	Concrete material; 3,000 psi	**12**	cy	125.00	1,500		
	Placing concrete	**12**	cy	55.00	660		
	Exterior column footings, typical, 8' x 8' x 2'-0"						
	Excavation	**828**	cy	15.00	12,420		
	Store on site for reuse	**828**	cy	14.00	11,592		
	Backfill with new fill	**584**	cy	16.00	9,344		
	Formwork	**3,136**	sf	11.00	34,496		
	Re-bar,150/cy	**36,600**	lbs	1.20	43,920		
	Concrete material; 3,000 psi	**244**	cy	125.00	30,500		
	Placing concrete	**244**	cy	55.00	13,420		
	Set anchor bolts grout plates	**49**	ea	150.00	7,350		
	Interior column footings, typical, 9' x 9' x 2'-0"						
	Excavation	**417**	cy	15.00	6,255		
	Store on site for reuse	**417**	cy	14.00	5,838		
	Backfill with new fill	**285**	cy	16.00	4,560		
	Formwork	**1,512**	sf	11.00	16,632		
	Re-bar,150/cy	**15,750**	lbs	1.20	18,900		
	Concrete material; 3,000 psi	**132**	cy	125.00	16,500		
	Placing concrete	**132**	cy	55.00	7,260		
	Set anchor bolts grout plates	**21**	ea	150.00	3,150		
	Perimeter drainage system per geotech	**951**	lf	18.00	17,118		

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
OPTION 3A - NEW ADDITION TO ELEMENTARY SCHOOL							
	Allowance for foundations against existing building	**295**	lf	340.00	100,300		
	SUBTOTAL					676,910	
A1020	**SPECIAL FOUNDATIONS**						
	No Work in this section						
	SUBTOTAL						
A1030	**LOWEST FLOOR CONSTRUCTION**						
	New Slab on grade, 5" thick						
	Structural gravel fill, 8"	**810**	cy	30.00	24,300		
	Base course, 8" gravel	**810**	cy	35.00	28,350		
	Rigid insulation	**32,804**	sf	2.25	73,809		
	Vapor barrier	**32,804**	sf	0.75	24,603		
	Under slab drainage -allow	**32,804**	sf	2.50	82,010		
	Mesh reinforcing 15% lap	**37,725**	sf	0.80	30,180		
	Concrete - 5" thick	**536**	cy	125.00	67,000		
	Placing concrete	**536**	cy	45.00	24,120		
	Finishing and curing concrete	**32,804**	sf	1.50	49,206		
	Control joints - saw cut	**32,804**	sf	0.10	3,280		
	Miscellaneous						
	New Elevator pits	**1**	ea	25,000.00	25,000		
	New loading dock - allow	**1**	ls	20,000.00	20,000		
	Equipment pads - allow	**1**	ls	5,000.00	5,000		
	SUBTOTAL					456,858	
	TOTAL - FOUNDATIONS						**$1,133,768**
A20	***BASEMENT CONSTRUCTION***						
A2010	**BASEMENT EXCAVATION**						
	No items in this section						
	SUBTOTAL					-	
A2020	**BASEMENT WALLS**						
	No items in this section						
	SUBTOTAL					-	
	TOTAL - BASEMENT CONSTRUCTION						
B10	***SUPERSTRUCTURE***						
		12	lbs/sf				
B1010	**FLOOR CONSTRUCTION**	395	tns				
	Floor Structure - Steel:						
	Steel beams and columns; 13/SF	**198**	tns	3,400.00	673,200		
	Shear studs	**6,096**	ea	2.50	15,240		
	Floor Structure						
	3" Metal floor Deck	**30,478**	sf	4.00	121,912		
	WWF reinforcement	**35,050**	sf	0.80	28,040		
	Concrete Fill to metal deck; 5 1/4" Light weight	**486**	cy	170.00	82,620		
	Place and finish concrete	**30,478**	sf	2.00	60,956		
	Misc. perimeter angles	**951**	lf	25.00	23,775		
	Miscellaneous						
	Fire proofing to columns and beams	**30,478**	sf	2.50	76,195		

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
OPTION 3A - NEW ADDITION TO ELEMENTARY SCHOOL							
	Reinforce existing roof for new floor	**1**	ls	30,000.00	30,000		
	Fire stopping floors	**1**	flrs	5,000.00	5,000		
	SUBTOTAL					1,116,938	
B1020	**ROOF CONSTRUCTION**						
	Roof Structure - Steel:						
	Steel beams/Joists; 12#/SF	**197**	tns	3,400.00	669,800		
	Roof Structure						
	3" Metal floor Deck @ roof	**21,504**	sf	4.00	86,016		
	Acoustic deck at gym, 3", type NA	**11,300**	sf	7.00	79,100		
	Roof Structure @ Mech Equipment/Low roof						
	WWF reinforcement	**9,315**	sf	0.80	7,452		
	Concrete Fill to metal deck; 5 1/4" Light weight	**129**	cy	170.00	21,930		
	Place and finish concrete	**8,100**	sf	3.00	24,300		
	Miscellaneous						
	Canopy framing - allow	**1**	ls	30,000.00	30,000		
	Roof screen framing - allow	**1,100**	sf	20.00	22,000		
	Fire proofing to columns, beams and deck	**32,804**	sf	3.25	106,613		
	SUBTOTAL					1,047,211	
	TOTAL - SUPERSTRUCTURE						**$2,164,149**
B20	***EXTERIOR CLOSURE***						
B2010	**EXTERIOR WALLS**	*21,652*	sf				
	Interior skin						
	8" metal stud backup	**18,934**	sf	8.00	151,472		
	Batt insulation in stud	**18,934**	sf	2.25	42,602		
	2 1/2" Rigid Insulation	**18,934**	sf	3.00	56,802		
	Air barrier	**18,934**	sf	6.00	113,604		
	Air barrier/flashing at windows	**3,144**	lf	7.00	22,008		
	Gypsum Sheathing	**18,934**	sf	2.75	52,069		
	Drywall lining to interior face of stud backup	**18,934**	sf	3.00	56,802		
	Interior skin @ Gym and stage						
	8" CMU backup	**2,718**	sf	22.00	59,796		
	2 1/2" Rigid Insulation	**2,718**	sf	3.00	8,154		
	Air barrier	**2,718**	sf	6.00	16,308		
	Premium for GF block	**2,718**	sf	5.00	13,590		
	Exterior skin						
	Brick veneer	**14,290**	sf	35.00	500,150		
	Metal panels	**7,362**	sf	60.00	441,720		
	Miscellaneous						
	Aluminum sign at main entrance	**1**	ls	10,000.00	10,000		
	Staging to exterior wall	**36,086**	sf	3.00	108,258		
	SUBTOTAL					1,653,335	
B2020	**WINDOWS**	*14,434*	sf				
	Curtainwall	**4,908**	sf	120.00	588,960		
	Premium for sunscreen and light shelf elements	**1**	ls	50,000.00	50,000		
	Windows/storefront	**9,526**	sf	85.00	809,710		
	Louvers (allowance)	**250**	sf	60.00	15,000		
	Backer rod & double sealant	**4,763**	lf	9.00	42,867		
	Wood blocking at openings	**4,763**	lf	4.00	19,052		

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
OPTION 3A - NEW ADDITION TO ELEMENTARY SCHOOL							
	SUBTOTAL					1,525,589	
B2030	**EXTERIOR DOORS**						
	Glazed entrance doors including frame and hardware; double door	**5**	pr	8,000.00	40,000		
	HM doors, frames and hardware- Double	**2**	pr	3,600.00	7,200		
	HM doors, frames and hardware- Single	**1**	ea	1,800.00	1,800		
	Coiling door at Loading dock	**1**	ls	7,500.00	7,500		
	Backer rod & double sealant	**157**	lf	9.00	1,413		
	Wood blocking at openings	**157**	lf	4.00	628		
	SUBTOTAL					58,541	
	TOTAL - EXTERIOR CLOSURE						**$3,237,465**
B30	***ROOFING***						
B3010	**ROOF COVERINGS**						
	Flat roofing						
	PVC roof membrane fully adhered	**32,804**	sf	7.50	246,030		
	Insulation	**32,804**	sf	6.00	196,824		
	1/2" dens-deck protection board	**32,804**	sf	2.00	65,608		
	Reinforced vapor barrier	**32,804**	sf	1.00	32,804		
	Rough blocking	**1,235**	lf	6.00	7,410		
	Miscellaneous Roofing						
	Premium for green roof	**1,233**	sf	30.00	36,990		
	Premium for sloped roof	**10,697**	sf	20.00	213,940		
	Canopies - allow	**300**	sf	75.00	22,500		
	Roof screens - allow	**1,100**	sf	50.00	55,000		
	Roof fascia/cornice	**1,235**	lf	90.00	111,150		
	Roof ladders	**1**	ls	3,000.00	3,000		
	Walk pads	**1**	ls	15,000.00	15,000		
	SUBTOTAL					1,006,256	
B3020	**ROOF OPENINGS**						
	Skylights, allow	**1**	ls	10,000.00	10,000		
	Roof hatch	**1**	loc	2,500.00	2,500		
	SUBTOTAL					12,500	
	TOTAL - ROOFING						**$1,018,756**
C10	***INTERIOR CONSTRUCTION***						
C1010	**PARTITIONS**						
	Reinforced masonry shear walls at Gymnasium & Stage	**2,910**	sf	23.00	66,930		
	Stairs/Elevator; 2 HR rated	**3,220**	sf	16.00	51,520		
	Corridors; GWB with 2 lyrs corridor side	**24,066**	sf	15.55	374,226		
	Demising; Metal stud w/ 2 layers gwb	**14,784**	sf	17.35	256,502		
	Partitions at Admin spaces, back of house etc.	**2,744**	sf	15.85	43,492		
	Partitions at existing exterior wall	**5,880**	sf	15.00	88,200		
	Sealants & caulking at partitions	**47,724**	sf	0.50	23,862		
	Rough blocking to partitions	**3,671**	lf	3.00	11,013		
	Glazed partitions/borrowed lights - allowance	**1**	ls	75,000.00	75,000		
	Miscellaneous partitions not yet shown	**63,282**	gsf	5.00	316,410		
	SUBTOTAL					1,307,155	
C1020	**INTERIOR DOORS**						

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
OPTION 3A - NEW ADDITION TO ELEMENTARY SCHOOL							
	Allowance for specialty doors, doors and hardware	**63,282**	gsf	4.00	253,128		
	SUBTOTAL					253,128	
C1030	**SPECIALTIES / MILLWORK**						
	Toilet Partitions and accessories	**63,282**	gsf	0.80	50,626		
	Backer panels in electrical closets	**1**	ls	1,000.00	1,000		
	Marker boards/tackboards in classrooms, offices, conference rooms, library and MP rooms; 20' tackboard w/ 8' markerboard in each Educational space	**63,282**	sf	1.00	63,282		
	Building directory	**1**	loc	3,000.00	3,000		
	Bronze dedication plaque	**1**	loc	2,500.00	2,500		
	Room Signs	**63,282**	gsf	0.40	25,313		
	Fire extinguisher cabinets	**21**	ea	350.00	7,350		
	Corridor Lockers	**63,282**	gsf	1.00	63,282		
	Janitors Closet Accessories	**1**	ls	1,000.00	1,000		
	Shelving in storage rooms	**1**	ls	10,000.00	10,000		
	Staff mailboxes/casework	**1**	ls	5,000.00	5,000		
	Reception desk in Media - allowance	**1**	ls	20,000	20,000		
	Library shelving				F,F & E		
	Display cases	**1**	ls	30,000.00	30,000		
	Miscellaneous metals throughout building	**63,282**	sf	1.00	63,282		
	Miscellaneous sealants throughout building	**63,282**	sf	1.25	79,103		
	SUBTOTAL					424,738	
	TOTAL - INTERIOR CONSTRUCTION						**$1,985,021**
C20	***STAIRCASES***						
C2010	**STAIR CONSTRUCTION**						
	Stage stairs, wood	**2**	flts	5,000.00	10,000		
	Metal pan stair; egress stair	**1**	flt	30,000.00	30,000		
	Concrete fill to stairs	**1**	flt	2,000.00	2,000		
	SUBTOTAL					42,000	
C2020	**STAIR FINISHES**						
	High performance coating to stairs including all railings etc.	**1**	flt	3,000.00	3,000		
	Rubber tile at stairs - landings	**150**	sf	12.00	1,800		
	Rubber tile at stairs - treads & risers	**115**	lft	22.00	2,530		
	SUBTOTAL					7,330	
	TOTAL - STAIRCASES						**$49,330**
C30	***INTERIOR FINISHES***						
C3010	**WALL FINISHES**						
	Allowance for wall finishes	**63,282**	gsf	5.00	316,410		
	SUBTOTAL					316,410	
C3020	**FLOOR FINISHES**						
	Allowance for floor finishes	**63,282**	gsf	7.00	442,974		
	SUBTOTAL					442,974	
C3030	**CEILING FINISHES**						
	Allowance for ceiling finishes	**63,282**	sf	7.00	442,974		
	SUBTOTAL					442,974	

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
OPTION 3A - NEW ADDITION TO ELEMENTARY SCHOOL							
	TOTAL - INTERIOR FINISHES						**$1,202,358**
D10	***CONVEYING SYSTEMS***						
D1010	**ELEVATOR**						
	SUBTOTAL					-	
	TOTAL - CONVEYING SYSTEMS						
D20	***PLUMBING***						
D20	**PLUMBING, GENERALLY**						
	Plumbing; complete system	**63,282**	gsf	12.00	759,384		
	SUBTOTAL					759,384	
	TOTAL - PLUMBING						**$759,384**
D30	***HVAC***						
D30	**HVAC, GENERALLY**						
	HVAC complete system	**63,282**	gsf	36.00	2,278,152		
	SUBTOTAL					2,278,152	
	TOTAL - HVAC						**$2,278,152**
D40	***FIRE PROTECTION***						
D40	**FIRE PROTECTION, GENERALLY**						
	Sprinkler system	**63,282**	gsf	4.50	284,769		
	SUBTOTAL					284,769	
	TOTAL - FIRE PROTECTION						**$284,769**
D50	***ELECTRICAL***						
D5010	**COMPLETE ELECTRICAL SYSTEM**						
	Electrical system; complete	**63,282**	gsf	30.00	1,898,460		
	SUBTOTAL					1,898,460	
	TOTAL - ELECTRICAL						**$1,898,460**
E10	***EQUIPMENT***						
E10	**EQUIPMENT, GENERALLY**						
	Gym wall pads	**1**	ls	10,000.00	10,000		
	Basketball backstops; swing up; electric operated	**4**	ea	9,800.00	39,200		
	Gymnasium dividing net; electrically operated	**1**	loc	45,000.00	45,000		
	Volleyball net and standards	**1**	ea	2,000.00	2,000		
	Telescoping bleachers	**1**	ls	25,000.00	25,000		
	Theatrical Equipment Stage curtains, rigging and controls	**1**	ls		In Reno		
	Stage lighting and dimming	**1**	ls		In Reno		
	Food Service equipment	**1**	ls	350,000.00	350,000		
	Electrically operated projection screens	**1**	loc	10,000.00	10,000		
	AV Equipment (including Smartboards, Projectors, LED monitors, Digital information displays etc.)				FF+E		
	SUBTOTAL					481,200	

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
OPTION 3A - NEW ADDITION TO ELEMENTARY SCHOOL							
	TOTAL - EQUIPMENT						**$481,200**
	E20 FURNISHINGS						
E2010	**FIXED FURNISHINGS**						
	Entry mats & frames - recessed with carpet/rubber strips	**500**	sf	45.00	22,500		
	Manual operated roller shades	**9,526**	sf	6.00	57,156		
	Counters, base cabinets, tall storage in classrooms and other rooms	**63,282**	gsf	6.00	379,692		
	SUBTOTAL					459,348	
E2020	**MOVABLE FURNISHINGS**						
	All movable furnishings to be provided and installed by owner						
	SUBTOTAL					NIC	
	TOTAL - FURNISHINGS						**$459,348**
	F10 SPECIAL CONSTRUCTION						
F10	**SPECIAL CONSTRUCTION**						
	No Work in this section						
	SUBTOTAL						
	TOTAL - SPECIAL CONSTRUCTION						
	F20 SELECTIVE BUILDING DEMOLITION						
F2010	**BUILDING ELEMENTS DEMOLITION**						
	See main summary for demolition of existing buildings						
	SUBTOTAL						
F2020	**HAZARDOUS COMPONENTS ABATEMENT**						
	See main summary for HazMat allowance				See Summary		
	SUBTOTAL						
	TOTAL - SELECTIVE BUILDING DEMOLITION						

Bourne Elementary Schools
Design Options
Bourne, MA

07-Mar-16

Feasibility Design Submission

GFA 68,100

CONSTRUCTION COST SUMMARY

	BUILDING SYSTEM		*SUB-TOTAL*	*TOTAL*	*$/SF*	*%*
OPTION 3A - RENOVATION TO ELEMENTARY SCHOOL						
A10	**FOUNDATIONS**					
	A1010	Standard Foundations	$0			
	A1020	Special Foundations	$0			
	A1030	Lowest Floor Construction	$99,290	**$99,290**	$1.46	2.1%
A20	**BASEMENT CONSTRUCTION**					
	A2010	Basement Excavation	$0			
	A2020	Basement Walls	$0	**$0**	$0.00	0.0%
B10	**SUPERSTRUCTURE**					
	B1010	Upper Floor Construction	$20,000			
	B1020	Roof Construction	$0	**$20,000**	$0.29	0.4%
B20	**EXTERIOR CLOSURE**					
	B2010	Exterior Walls	$5,600			
	B2020	Windows	$0			
	B2030	Exterior Doors	$0	**$5,600**	$0.08	0.1%
B30	**ROOFING**					
	B3010	Roof Coverings	$200,000			
	B3020	Roof Openings	$0	**$200,000**	$2.94	4.3%
C10	**INTERIOR CONSTRUCTION**					
	C1010	Partitions	$389,000			
	C1020	Interior Doors	$167,800			
	C1030	Specialties/Millwork	$304,855	**$861,655**	$12.65	18.7%
C20	**STAIRCASES**					
	C2010	Stair Construction	$0			
	C2020	Stair Finishes	$14,660	**$14,660**	$0.22	0.3%
C30	**INTERIOR FINISHES**					
	C3010	Wall Finishes	$157,450			
	C3020	Floor Finishes	$215,200			
	C3030	Ceiling Finishes	$162,900	**$535,550**	$7.86	11.6%
D10	**CONVEYING SYSTEMS**					
	D1010	Elevator	$0	**$0**	$0.00	0.0%
D20	**PLUMBING**					
	D20	Plumbing	$189,600	**$189,600**	$2.78	4.1%

Bourne Elementary Schools 07-Mar-16
Design Options
Bourne, MA

Feasibility Design Submission GFA 68,100

CONSTRUCTION COST SUMMARY

OPTION 3A - RENOVATION TO ELEMENTARY SCHOOL

	BUILDING SYSTEM		*SUB-TOTAL*	*TOTAL*	*$/SF*	*%*
D30	**HVAC**					
	D30	HVAC	$1,196,400	**$1,196,400**	$17.57	25.9%
D40	**FIRE PROTECTION**					
	D40	Fire Protection	$136,200	**$136,200**	$2.00	2.9%
D50	**ELECTRICAL**					
	D5010	Complete System	$892,400	**$892,400**	$13.10	19.3%
E10	**EQUIPMENT**					
	E10	Equipment	$120,000	**$120,000**	$1.76	2.6%
E20	**FURNISHINGS**					
	E2010	Fixed Furnishings	$117,300			
	E2020	Movable Furnishings	NIC	**$117,300**	$1.72	2.5%
F10	**SPECIAL CONSTRUCTION**					
	F10	Special Construction	$0	**$0**	$0.00	0.0%
F20	**HAZMAT REMOVALS**					
	F2010	Building Elements Demolition	$231,000			
	F2020	Hazardous Components Abatement	$0	**$231,000**	$3.39	5.0%
	TOTAL DIRECT COST (Trade Costs)			***$4,619,655***	*$67.84*	*100.0%*

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
OPTION 3A - RENOVATION TO ELEMENTARY SCHOOL							
	GROSS FLOOR AREA CALCULATION						
	First Floor			49,645			
	Second Floor			18,455			
	TOTAL GROSS FLOOR AREA (GFA)				**68,100** ***sf***		
A10	***FOUNDATIONS***						
A1010	**STANDARD FOUNDATIONS**						
	Allowance for miscellaneous foundation work for seismic upgrades	**49,645**	sf	5.00	Assumed Not Required		
	SUBTOTAL					-	
A1020	**SPECIAL FOUNDATIONS**						
	No Work in this section						
	SUBTOTAL						
A1030	**LOWEST FLOOR CONSTRUCTION**						
	Allowance for patching of existing slabs disturbed by new work	**49,645**	sf	2.00	99,290		
	Miscellaneous						
	New Elevator pits	**1**	ea	25,000.00	In Addition		
	New loading dock - allow	**1**	ls	20,000.00	In Addition		
	Equipment pads - allow	**1**	ls	5,000.00	In Addition		
	SUBTOTAL					99,290	
	TOTAL - FOUNDATIONS						**$99,290**
A20	***BASEMENT CONSTRUCTION***						
A2010	**BASEMENT EXCAVATION**						
	No items in this section						
	SUBTOTAL					-	
A2020	**BASEMENT WALLS**						
	No items in this section						
	SUBTOTAL					-	
	TOTAL - BASEMENT CONSTRUCTION						
B10	***SUPERSTRUCTURE***						
B1010	**FLOOR CONSTRUCTION**						
	Allowance for seismic upgrades	**49,645**	sf	8.00	Assumed Not Required		
	New penetrations to existing structure	**1**	ls	15,000.00	15,000		
	Fire stopping floors	**1**	flrs	5,000.00	5,000		
	SUBTOTAL					20,000	
B1020	**ROOF CONSTRUCTION**						
	Allowance for seismic upgrades	**18,455**	sf	8.00	Assumed Not Required		
	SUBTOTAL					-	
	TOTAL - SUPERSTRUCTURE						**$20,000**

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
	OPTION 3A - RENOVATION TO ELEMENTARY SCHOOL						
	B20 EXTERIOR CLOSURE						
B2010	**EXTERIOR WALLS**						
	Miscellaneous						
	Demolition/ create opes/ tie in at existing exterior closure @ connection to new additions	**224**	sf	25.00	5,600		
	SUBTOTAL					5,600	
B2020	**WINDOWS**						
	Curtainwall replace existing		sf	120.00	ETR		
	Windows/storefront replace existing		sf	85.00	ETR		
	Backer rod & double sealant		lf	9.00	ETR		
	Wood blocking at openings		lf	4.00	ETR		
	SUBTOTAL					-	
B2030	**EXTERIOR DOORS**						
	Glazed entrance doors including frame and hardware; double door		pr	8,000.00	ETR		
	HM doors, frames and hardware- Double		pr	3,600.00	ETR		
	HM doors, frames and hardware- Single		ea	1,800.00	ETR		
	Coiling door at Loading dock		ls	7,500.00	ETR		
	Backer rod & double sealant		lf	9.00	ETR		
	Wood blocking at openings		lf	4.00	ETR		
	SUBTOTAL					-	
	TOTAL - EXTERIOR CLOSURE						**$5,600**
	B30 ROOFING						
B3010	**ROOF COVERINGS**						
	Flat roofing						
	Remove existing roof membrane down to insulation	**49,645**	sf	3.00	ETR		
	PVC roof membrane fully adhered	**49,645**	sf	7.50	ETR		
	Insulation	**49,645**	sf	6.00	ETR		
	1/2" dens-deck protection board	**49,645**	sf	2.00	ETR		
	Reinforced vapor barrier	**49,645**	sf	1.00	ETR		
	Rough blocking	**1**	lf	6.00	ETR		
	Miscellaneous Roofing						
	Repair existing roofing	**1**	ls	200,000.00	200,000		
	Roof ladders	**1**	ls	3,000.00	ETR		
	Walk pads	**1**	ls	7,500.00	ETR		
	SUBTOTAL					200,000	
B3020	**ROOF OPENINGS**						
	Roof hatch	**1**	loc	2,500.00	ETR		
	SUBTOTAL					-	
	TOTAL - ROOFING						**$200,000**
	C10 INTERIOR CONSTRUCTION						
C1010	**PARTITIONS**						
	Allowance to modify/replace existing partitions at extensive renovation	**15,800**	sf	18.00	284,400		

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
OPTION 3A - RENOVATION TO ELEMENTARY SCHOOL							
	Allowance for minor patching at existing partitions at minimal renovation	**52,300**	sf	2.00	104,600		
	SUBTOTAL					389,000	
C1020	**INTERIOR DOORS**						
	Allowance for specialty doors, doors and hardware	**15,800**	gsf	4.00	63,200		
	Allowance for ADA hardware at minimal renovation areas	**52,300**	gsf	2.00	104,600		
	SUBTOTAL					167,800	
C1030	**SPECIALTIES / MILLWORK**						
	Toilet Partitions and accessories	**15,800**	gsf	0.80	12,640		
	Backer panels in electrical closets	**1**	ls	1,000.00	1,000		
	Marker boards/tackboards in classrooms, offices, conference rooms, library and MP rooms; 20' tackboard w/ 8' markerboard in each Educational space	**15,800**	sf	1.00	15,800		
	Building directory	**1**	loc	3,000.00	In Addition		
	Bronze dedication plaque	**1**	loc	2,500.00	In Addition		
	Room Signs	**68,100**	gsf	0.40	27,240		
	Fire extinguisher cabinets	**23**	ea	350.00	8,050		
	Corridor Lockers	**68,100**	gsf	1.00	ETR		
	Janitors Closet Accessories	**1**	ls	1,000.00	1,000		
	Shelving in storage rooms	**1**	ls	10,000.00	10,000		
	Staff mailboxes/casework	**1**	ls	5,000.00	In Addition		
	Reception desk in Media - allowance	**1**	ls	20,000	In Addition		
	Library shelving				F,F & E		
	Student cubbies in classrooms	**24**	rms	6,000.00	144,000		
	Display cases	**1**	ls	15,000.00	ETR		
	Miscellaneous metals throughout building	**68,100**	sf	0.75	51,075		
	Miscellaneous sealants throughout building	**68,100**	sf	0.50	34,050		
	SUBTOTAL					304,855	
	TOTAL - INTERIOR CONSTRUCTION						**$861,655**
C20	***STAIRCASES***						
C2010	**STAIR CONSTRUCTION**						
	Metal pan stair; egress stair; modify existing	**2**	flt	10,000.00	Assumed Not Required		
	Concrete fill to stairs	**2**	flt	2,000.00	NIC		
	SUBTOTAL					-	
C2020	**STAIR FINISHES**						
	High performance coating to stairs including all railings etc.	**2**	flt	3,000.00	6,000		
	Rubber tile at stairs - landings	**300**	sf	12.00	3,600		
	Rubber tile at stairs - treads & risers	**230**	lft	22.00	5,060		
	SUBTOTAL					14,660	
	TOTAL - STAIRCASES						**$14,660**
C30	***INTERIOR FINISHES***						
C3010	**WALL FINISHES**						
	Allowance for wall finishes at extensive renovation	**15,800**	gsf	5.00	79,000		
	Allowance for painting at minor renovation	**52,300**	gsf	1.50	78,450		
	SUBTOTAL					157,450	

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
OPTION 3A - RENOVATION TO ELEMENTARY SCHOOL							
C3020	**FLOOR FINISHES**						
	Allowance for floor finishes at extensive renovation	**15,800**	gsf	7.00	110,600		
	Allowance for floor finishes at minor renovation	**52,300**	gsf	2.00	104,600		
	SUBTOTAL					215,200	
C3030	**CEILING FINISHES**						
	Allowance for ceiling finishes at extensive renovation	**15,800**	sf	7.00	110,600		
	Allowance for ceiling finishes at minor renovation	**52,300**	gsf	1.00	52,300		
	SUBTOTAL					162,900	
	TOTAL - INTERIOR FINISHES						**$535,550**
D10	***CONVEYING SYSTEMS***						
D1010	**ELEVATOR**						
	SUBTOTAL					-	
	TOTAL - CONVEYING SYSTEMS						
D20	***PLUMBING***						
D20	**PLUMBING, GENERALLY**						
	Plumbing; complete system at extensive renovation	**15,800**	gsf	12.00	189,600		
	Plumbing; assume no work at minor renovation	**52,300**	gsf				
	SUBTOTAL					189,600	
	TOTAL - PLUMBING						**$189,600**
D30	***HVAC***						
D30	**HVAC, GENERALLY**						
	HVAC complete system at extensive renovation	**15,800**	gsf	36.00	568,800		
	HVAC modifications at minor renovation	**52,300**	gsf	12.00	627,600		
	SUBTOTAL					1,196,400	
	TOTAL - HVAC						**$1,196,400**
D40	***FIRE PROTECTION***						
D40	**FIRE PROTECTION, GENERALLY**						
	Sprinkler system; modify existing	**68,100**	gsf	2.00	136,200		
	SUBTOTAL					136,200	
	TOTAL - FIRE PROTECTION						**$136,200**
D50	***ELECTRICAL***						
D5010	**COMPLETE ELECTRICAL SYSTEM**						
	Electrical system; complete at extensive renovation	**15,800**	gsf	30.00	474,000		
	Electrical modifications at minor renovation	**52,300**	gsf	8.00	418,400		
	SUBTOTAL					892,400	
	TOTAL - ELECTRICAL						**$892,400**
E10	***EQUIPMENT***						
E10	**EQUIPMENT, GENERALLY**						

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
OPTION 3A - RENOVATION TO ELEMENTARY SCHOOL							
	Gym wall pads	**1**	ls	10,000.00	In Addition		
	Basketball backstops; swing up; electric operated	**4**	ea	9,800.00	In Addition		
	Gymnasium dividing net; electrically operated	**1**	loc	45,000.00	In Addition		
	Volleyball net and standards	**1**	ea	2,000.00	In Addition		
	Telescoping bleachers	**1**	ls	25,000.00	In Addition		
	Theatrical Equipment Stage curtains, rigging and controls	**1**	ls	75,000.00	75,000		
	Stage lighting and dimming	**1**	ls	35,000.00	35,000		
	Food Service equipment	**1**	ls	350,000.00	In Addition		
	Electrically operated projection screens	**1**	loc	10,000.00	10,000		
	AV Equipment (including Smartboards, Projectors, LED monitors, Digital information displays etc.)				FF+E		
	SUBTOTAL					120,000	
	TOTAL - EQUIPMENT						**$120,000**
E20	***FURNISHINGS***						
E2010	**FIXED FURNISHINGS**						
	Entry mats & frames - recessed with carpet/rubber strips	**500**	sf	45.00	22,500		
	Manual operated roller shades		sf	6.00	ETR		
	Counters, base cabinets, tall storage in classrooms and other rooms at extensive renovations	**15,800**	gsf	6.00	94,800		
	SUBTOTAL					117,300	
E2020	**MOVABLE FURNISHINGS**						
	All movable furnishings to be provided and installed by owner						
	SUBTOTAL					NIC	
	TOTAL - FURNISHINGS						**$117,300**
F10	***SPECIAL CONSTRUCTION***						
F10	**SPECIAL CONSTRUCTION**						
	No Work in this section						
	SUBTOTAL						
	TOTAL - SPECIAL CONSTRUCTION						
F20	***SELECTIVE BUILDING DEMOLITION***						
F2010	**BUILDING ELEMENTS DEMOLITION**						
	Extensive demolition of renovation areas; finishes, doors, MEP systems, casework and specialties at extensive renovations	**15,800**	sf	8.00	126,400		
	Minor demolition of renovation areas; finishes, doors, MEP systems, casework and specialties at minor renovations	**52,300**	sf	2.00	104,600		
	Demo of exterior windows		sf	6.00	ETR		
	Demo of roof included in Divisions above				ETR		
	SUBTOTAL					231,000	
F2020	**HAZARDOUS COMPONENTS ABATEMENT**						
	See main summary for HazMat allowance				See Summary		
	SUBTOTAL						
	TOTAL - SELECTIVE BUILDING DEMOLITION						**$231,000**

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
SITEWORK OPTION 3A							
G	***SITEWORK***						
G10	**SITE PREPARATION & DEMOLITION**						
	Site Demolitions and Relocations						
	Site construction fence	**2,150**	lf	14.00	30,100		
	Pavement/curbing removal - grind up asphalt to reuse	**130,900**	sf	0.80	104,720		
	Remove and dispose walkways	**1**	ls	10,000.00	10,000		
	Tree removal	**1**	ls	20,000.00	20,000		
	Misc. Tree Protection	**1**	ls	5,000.00	5,000		
	Remove and dispose of existing drainage structures and utilities	**1**	ls	40,000.00	40,000		
	SUBTOTAL					$209,820	
	Site Earthwork						
	Construction entrances/wheel washes (allowance)	**1**	loc	15,000.00	15,000		
	Strip topsoil, store on site for reuse	**2,481**	cy	8.00	19,848		
	Cut/fill	**18,519**	cy	6.00	111,114		
	Fine grading	**32,450**	sy	0.50	16,225		
	Silt fence/erosion control (allowance)	**2,150**	lf	12.00	25,800		
	Erosion Control monitoring & maintenance	**1**	ls	10,000.00	10,000		
	Hazardous Waste Remediation						
	No items in this section						
	SUBTOTAL					$197,987	
G20	**SITE IMPROVEMENTS**						
	Roadways and Parking Lots						
	Bituminous concrete paving	*152,244*					
	gravel base; 12" thick	**5,639**	cy	35.00	197,365		
	bituminous concrete; 4" thick	**16,916**	sy	25.00	422,900		
	6"x18" granite curb	**8,973**	lf	32.00	287,136		
	Single solid lines, 4" thick	**213**	space	25.00	5,325		
	Wheelchair Parking	**10**	space	75.00	750		
	Crosswalk Hatching	**2**	loc	900.00	1,800		
	Other road markings	**1**	ls	7,500.00	7,500		
	HC curb cuts	**4**	loc	1,100.00	4,400		
	New entrance sign	**1**	ls	10,000.00	10,000		
	New traffic signs	**1**	ls	5,000.00	5,000		
	SUBTOTAL					$942,176	
	Pedestrian paving						
	Bituminous concrete paving	*10,000*	sf				
	gravel base; 12" thick	**370**	cy	35.00	12,950		
	bituminous concrete; 3" thick	**1,111**	sy	28.00	31,108		
	Concrete Pavers						
	Concrete pavers						
	Precast concrete pavers	**5,606**	sf	16.00	89,696		
	gravel base; 8" thick	**139**	cy	35.00	4,865		
	dry pack; 2" thick	**33**	cy	22.00	726		
	concrete base; 4" thick	**5,606**	sf	5.00	28,030		
	Site Improvements						
	Bicycle racks	**10**	ea	800.00	8,000		
	45' Flag pole	**1**	loc	7,500.00	7,500		
	Flag pole base	**1**	loc	1,500.00	1,500		
	Ornamental trash/recycling receptacles	**10**	ea	800.00	8,000		
	Seating walls	**1**	ls	75,000.00	75,000		
	Segmented block retaining walls	**3,400**	sf	55.00	187,000		
	Dumpster enclosure	**100**	lf	60.00	6,000		
	Play surface	**5,000**	sf	16.00	80,000		
	Track surface	**10,000**	sf	8.00	80,000		

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
SITEWORK OPTION 3A							
	Play equipment	**1**	ls	180,000.00	180,000		
	Other sitework improvements	**1**	ls	25,000.00	25,000		
	Tennis Courts	*24,200*					
	Gravel base - 12" thick	**896**	cy	35.00	NIC		
	Tennis court surface - color coated acrylic over asphalt	**2,689**	sy	42.00	NIC		
	Nets and posts	**4**	courts	900.00	NIC		
	Vinyl CL Fencing; 10'	**643**	lf	55.00	NIC		
	Gate, single	**2**	ea	1,200.00	NIC		
	Landscaping & Plantings:						
	Spread existing amended topsoil @ seeded areas	**1,852**	cy	22.00	40,744		
	New seeded areas - L&S	**100,000**	sf	0.20	20,000		
	Trees	**12**	ea	1,000.00	12,000		
	Shrubs/plantings and Groundcover	**1**	ls	50,000.00	50,000		
	SUBTOTAL					$948,119	
G30	**CIVIL MECHANICAL UTILITIES**						
	Water supply						
	New fire DI piping; 8"	**660**	lf	80.00	52,800		
	New fire DI piping; 6"	**660**	lf	70.00	46,200		
	New fire hydrant	**2**	loc	2,600.00	5,200		
	FD connection	**1**	loc	2,000.00	2,000		
	Gate valves	**4**	loc	750.00	3,000		
	Connect to existing line (Wet Taps)	**1**	loc	5,000.00	5,000		
	Sanitary sewer						
	8" sewer	**700**	lf	48.00	33,600		
	Connect to existing	**1**	loc	1,500.00	1,500		
	6,000 gal grease trap	**1**	loc	12,000.00	12,000		
	SMH	**5**	loc	4,000.00	20,000		
	Increase septic reserve by 50%	**4,050**	sf	50.00	202,500		
	Storm Sewer						
	Allowance for stormwater management	**1**	ls	500,000.00	500,000		
	Gas and Telecom service						
	E&B trench for new lines, pipe and install by utilities						
	New gas service	**660**	lf	25.00	16,500		
	New telecom service	**660**	lf	25.00	16,500		
	SUBTOTAL					$916,800	
G40	**SITE ELECTRICAL**						
	Power						
	Tap main power source	**1**	ea	3,000.00	3,000		
	Primary ductbank	**660**	lf	65.00	42,900		
	Primary cabling				Utility company		
	Pad mounted transformer				Utility company		
	Transformer pad	**1**	ea	3,000.00	3,000		
	Secondary ductbank						
	Secondary ductbank cabling	**50**	lf	300.00	15,000		
	Generator ductbank						
	Generator ductbank	**50**	lf	250.00	12,500		
	Communications						
	Communications ductbank	**660**	lf	85.00	56,100		
	Site Lighting/Power						
	Site lighting, roadway, parking, pathways and landscaping	**1**	ls	100,000.00	100,000		
	SUBTOTAL					$232,500	
SUBTOTAL SITE DEVELOPMENT OPTION 3A							**$3,447,402**

Bourne Elementary Schools
Design Options
Bourne, MA

07-Mar-16

Feasibility Design Submission

GFA 63,282

CONSTRUCTION COST SUMMARY

	BUILDING SYSTEM		*SUB-TOTAL*	*TOTAL*	*$/SF*	*%*
OPTION 3B - NEW ADDITION TO ELEMENTARY SCHOOL						
A10	**FOUNDATIONS**					
	A1010	Standard Foundations	$713,132			
	A1020	Special Foundations	$0			
	A1030	Lowest Floor Construction	$529,883	**$1,243,015**	$19.64	7.5%
A20	**BASEMENT CONSTRUCTION**					
	A2010	Basement Excavation	$0			
	A2020	Basement Walls	$0	**$0**	$0.00	0.0%
B10	**SUPERSTRUCTURE**					
	B1010	Upper Floor Construction	$915,383			
	B1020	Roof Construction	$1,208,892	**$2,124,275**	$33.57	12.9%
B20	**EXTERIOR CLOSURE**					
	B2010	Exterior Walls	$1,407,944			
	B2020	Windows	$1,303,457			
	B2030	Exterior Doors	$58,541	**$2,769,942**	$43.77	16.8%
B30	**ROOFING**					
	B3010	Roof Coverings	$1,113,712			
	B3020	Roof Openings	$12,500	**$1,126,212**	$17.80	6.8%
C10	**INTERIOR CONSTRUCTION**					
	C1010	Partitions	$1,183,333			
	C1020	Interior Doors	$253,128			
	C1030	Specialties/Millwork	$424,738	**$1,861,199**	$29.41	11.3%
C20	**STAIRCASES**					
	C2010	Stair Construction	$42,000			
	C2020	Stair Finishes	$7,330	**$49,330**	$0.78	0.3%
C30	**INTERIOR FINISHES**					
	C3010	Wall Finishes	$316,410			
	C3020	Floor Finishes	$442,974			
	C3030	Ceiling Finishes	$442,974	**$1,202,358**	$19.00	7.3%
D10	**CONVEYING SYSTEMS**					
	D1010	Elevator	$0	**$0**	$0.00	0.0%
D20	**PLUMBING**					
	D20	Plumbing	$759,384	**$759,384**	$12.00	4.6%

Bourne Elementary Schools
Design Options
Bourne, MA

07-Mar-16

Feasibility Design Submission

GFA 63,282

CONSTRUCTION COST SUMMARY

OPTION 3B - NEW ADDITION TO ELEMENTARY SCHOOL

	BUILDING SYSTEM		*SUB-TOTAL*	*TOTAL*	*$/SF*	*%*
D30	**HVAC**					
	D30	HVAC	$2,278,152	**$2,278,152**	$36.00	13.8%
D40	**FIRE PROTECTION**					
	D40	Fire Protection	$284,769	**$284,769**	$4.50	1.7%
D50	**ELECTRICAL**					
	D5010	Complete System	$1,898,460	**$1,898,460**	$30.00	11.5%
E10	**EQUIPMENT**					
	E10	Equipment	$481,200	**$481,200**	$7.60	2.9%
E20	**FURNISHINGS**					
	E2010	Fixed Furnishings	$450,660			
	E2020	Movable Furnishings	NIC	**$450,660**	$7.12	2.7%
F10	**SPECIAL CONSTRUCTION**					
	F10	Special Construction	$0	**$0**	$0.00	0.0%
F20	**HAZMAT REMOVALS**					
	F2010	Building Elements Demolition	$0			
	F2020	Hazardous Components Abatement	$0	**$0**	$0.00	0.0%
	TOTAL DIRECT COST (Trade Costs)			***$16,528,956***	*$261.20*	*100.0%*

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
OPTION 3B - NEW ADDITION TO ELEMENTARY SCHOOL							
	GROSS FLOOR AREA CALCULATION						
	First Floor			38,691			
	Second Floor			24,591			
	TOTAL GROSS FLOOR AREA (GFA)					**63,282**	***sf***
A10	***FOUNDATIONS***						
A1010	**STANDARD FOUNDATIONS**						
	Strip footings - 3'-0" x 2'-0"						
	Excavation	**1,338**	cy	12.00	16,056		
	Store on site for reuse	**1,338**	cy	14.00	18,732		
	Backfill with new fill	**1,097**	cy	16.00	17,552		
	Formwork	**4,128**	sf	11.00	45,408		
	Re-bar, 10#/lf	**10,320**	lbs	1.20	12,384		
	Concrete material; 3,000 psi	**241**	cy	125.00	30,125		
	Placing concrete	**241**	cy	55.00	13,255		
	Foundation walls at exterior - 16" thick						
	Formwork	**8,256**	sf	12.50	103,200		
	Re-bar, 4#/sf	**16,512**	lbs	1.20	19,814		
	Concrete material; 4,000 psi	**187**	cy	135.00	25,245		
	Placing concrete	**187**	cy	65.00	12,155		
	Dampproofing foundation wall and footing	**6,192**	sf	1.90	NIC		
	Insulation to foundation walls; 2" thick	**4,128**	sf	2.50	10,320		
	Form shelf	**1,032**	lf	8.00	8,256		
	Thickened slab at interior load bearing walls						
	Excavation	**130**	cy	12.00	1,560		
	Store on site for reuse	**130**	cy	14.00	1,820		
	Backfill with new fill	**118**	cy	16.00	1,888		
	Formwork	**200**	sf	11.00	2,200		
	Re-bar, 10#/lf	**1,000**	lbs	1.20	1,200		
	Concrete material; 3,000 psi	**12**	cy	125.00	1,500		
	Placing concrete	**12**	cy	55.00	660		
	Exterior column footings, typical, 8' x 8' x 2'-0"						
	Excavation	**761**	cy	15.00	11,415		
	Store on site for reuse	**761**	cy	14.00	10,654		
	Backfill with new fill	**537**	cy	16.00	8,592		
	Formwork	**2,880**	sf	11.00	31,680		
	Re-bar,150/cy	**33,600**	lbs	1.20	40,320		
	Concrete material; 3,000 psi	**224**	cy	125.00	28,000		
	Placing concrete	**224**	cy	55.00	12,320		
	Set anchor bolts grout plates	**45**	ea	150.00	6,750		
	Interior column footings, typical, 9' x 9' x 2'-0"						
	Excavation	**417**	cy	15.00	6,255		
	Store on site for reuse	**417**	cy	14.00	5,838		
	Backfill with new fill	**285**	cy	16.00	4,560		
	Formwork	**1,512**	sf	11.00	16,632		
	Re-bar,150/cy	**15,750**	lbs	1.20	18,900		
	Concrete material; 3,000 psi	**132**	cy	125.00	16,500		
	Placing concrete	**132**	cy	55.00	7,260		
	Set anchor bolts grout plates	**21**	ea	150.00	3,150		
	Perimeter drainage system per geotech	**1,032**	lf	18.00	18,576		

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
OPTION 3B - NEW ADDITION TO ELEMENTARY SCHOOL							
	Allowance for foundations against existing building	**360**	lf	340.00	122,400		
	SUBTOTAL					713,132	
A1020	**SPECIAL FOUNDATIONS**						
	No Work in this section						
	SUBTOTAL						
A1030	**LOWEST FLOOR CONSTRUCTION**						
	New Slab on grade, 5" thick						
	Structural gravel fill, 8"	**956**	cy	30.00	28,680		
	Base course, 8" gravel	**956**	cy	35.00	33,460		
	Rigid insulation	**38,691**	sf	2.25	87,055		
	Vapor barrier	**38,691**	sf	0.75	29,018		
	Under slab drainage -allow	**38,691**	sf	2.50	96,728		
	Mesh reinforcing 15% lap	**44,495**	sf	0.80	35,596		
	Concrete - 5" thick	**632**	cy	125.00	79,000		
	Placing concrete	**632**	cy	45.00	28,440		
	Finishing and curing concrete	**38,691**	sf	1.50	58,037		
	Control joints - saw cut	**38,691**	sf	0.10	3,869		
	Miscellaneous						
	New Elevator pits	**1**	ea	25,000.00	25,000		
	New loading dock - allow	**1**	ls	20,000.00	20,000		
	Equipment pads - allow	**1**	ls	5,000.00	5,000		
	SUBTOTAL					529,883	
	TOTAL - FOUNDATIONS						**$1,243,015**
A20	***BASEMENT CONSTRUCTION***						
A2010	**BASEMENT EXCAVATION**						
	No items in this section						
	SUBTOTAL					-	
A2020	**BASEMENT WALLS**						
	No items in this section						
	SUBTOTAL					-	
	TOTAL - BASEMENT CONSTRUCTION						
B10	***SUPERSTRUCTURE***						
		12	lbs/sf				
B1010	**FLOOR CONSTRUCTION**	392	tns				
	Floor Structure - Steel:						
	Steel beams and columns; 13/SF	**160**	tns	3,400.00	544,000		
	Shear studs	**4,918**	ea	2.50	12,295		
	Floor Structure						
	3" Metal floor Deck	**24,591**	sf	4.00	98,364		
	WWF reinforcement	**28,280**	sf	0.80	22,624		
	Concrete Fill to metal deck; 5 1/4" Light weight	**392**	cy	170.00	66,640		
	Place and finish concrete	**24,591**	sf	2.00	49,182		
	Misc. perimeter angles	**1,032**	lf	25.00	25,800		
	Miscellaneous						
	Fire proofing to columns and beams	**24,591**	sf	2.50	61,478		

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
OPTION 3B - NEW ADDITION TO ELEMENTARY SCHOOL							
	Reinforce existing roof for new floor	**1**	ls	30,000.00	30,000		
	Fire stopping floors	**1**	flrs	5,000.00	5,000		
	SUBTOTAL					915,383	
B1020	**ROOF CONSTRUCTION**						
	Roof Structure - Steel:						
	Steel beams/Joists; 12#/SF	**232**	tns	3,400.00	788,800		
	Roof Structure						
	3" Metal floor Deck @ roof	**27,391**	sf	4.00	109,564		
	Acoustic deck at gym, 3", type NA	**11,300**	sf	7.00	79,100		
	Roof Structure @ Mech Equipment/Low roof						
	WWF reinforcement	**9,315**	sf	0.80	7,452		
	Concrete Fill to metal deck; 5 1/4" Light weight	**129**	cy	170.00	21,930		
	Place and finish concrete	**8,100**	sf	3.00	24,300		
	Miscellaneous						
	Canopy framing - allow	**1**	ls	30,000.00	30,000		
	Roof screen framing - allow	**1,100**	sf	20.00	22,000		
	Fire proofing to columns, beams and deck	**38,691**	sf	3.25	125,746		
	SUBTOTAL					1,208,892	
	TOTAL - SUPERSTRUCTURE						**$2,124,275**
B20	***EXTERIOR CLOSURE***						
B2010	**EXTERIOR WALLS**	*18,359*	sf				
	Interior skin						
	8" metal stud backup	**15,641**	sf	8.00	125,128		
	Batt insulation in stud	**15,641**	sf	2.25	35,192		
	2 1/2" Rigid Insulation	**15,641**	sf	3.00	46,923		
	Air barrier	**15,641**	sf	6.00	93,846		
	Air barrier/flashing at windows	**2,666**	lf	7.00	18,662		
	Gypsum Sheathing	**15,641**	sf	2.75	43,013		
	Drywall lining to interior face of stud backup	**15,641**	sf	3.00	46,923		
	Interior skin @ Gym and stage						
	8" CMU backup	**2,718**	sf	22.00	59,796		
	2 1/2" Rigid Insulation	**2,718**	sf	3.00	8,154		
	Air barrier	**2,718**	sf	6.00	16,308		
	Premium for GF block	**2,718**	sf	5.00	13,590		
	Exterior skin						
	Brick veneer	**12,117**	sf	35.00	424,095		
	Metal panels	**6,242**	sf	60.00	374,520		
	Miscellaneous						
	Aluminum sign at main entrance	**1**	ls	10,000.00	10,000		
	Staging to exterior wall	**30,598**	sf	3.00	91,794		
	SUBTOTAL					1,407,944	
B2020	**WINDOWS**	*12,239*	sf				
	Curtainwall	**4,161**	sf	120.00	499,320		
	Premium for sunscreen and light shelf elements	**1**	ls	50,000.00	50,000		
	Windows/storefront	**8,078**	sf	85.00	686,630		
	Louvers (allowance)	**250**	sf	60.00	15,000		
	Backer rod & double sealant	**4,039**	lf	9.00	36,351		
	Wood blocking at openings	**4,039**	lf	4.00	16,156		

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
OPTION 3B - NEW ADDITION TO ELEMENTARY SCHOOL							
	SUBTOTAL					1,303,457	
B2030	**EXTERIOR DOORS**						
	Glazed entrance doors including frame and hardware; double door	**5**	pr	8,000.00	40,000		
	HM doors, frames and hardware- Double	**2**	pr	3,600.00	7,200		
	HM doors, frames and hardware- Single	**1**	ea	1,800.00	1,800		
	Coiling door at Loading dock	**1**	ls	7,500.00	7,500		
	Backer rod & double sealant	**157**	lf	9.00	1,413		
	Wood blocking at openings	**157**	lf	4.00	628		
	SUBTOTAL					58,541	
	TOTAL - EXTERIOR CLOSURE						**$2,769,942**
B30	***ROOFING***						
B3010	**ROOF COVERINGS**						
	Flat roofing						
	PVC roof membrane fully adhered	**38,691**	sf	7.50	290,183		
	Insulation	**38,691**	sf	6.00	232,146		
	1/2" dens-deck protection board	**38,691**	sf	2.00	77,382		
	Reinforced vapor barrier	**38,691**	sf	1.00	38,691		
	Rough blocking	**1,300**	lf	6.00	7,800		
	Miscellaneous Roofing						
	Premium for green roof	**1,233**	sf	30.00	36,990		
	Premium for sloped roof	**10,901**	sf	20.00	218,020		
	Canopies - allow	**300**	sf	75.00	22,500		
	Roof screens - allow	**1,100**	sf	50.00	55,000		
	Roof fascia/cornice	**1,300**	lf	90.00	117,000		
	Roof ladders	**1**	ls	3,000.00	3,000		
	Walk pads	**1**	ls	15,000.00	15,000		
	SUBTOTAL					1,113,712	
B3020	**ROOF OPENINGS**						
	Skylights, allow	**1**	ls	10,000.00	10,000		
	Roof hatch	**1**	loc	2,500.00	2,500		
	SUBTOTAL					12,500	
	TOTAL - ROOFING						**$1,126,212**
C10	***INTERIOR CONSTRUCTION***						
C1010	**PARTITIONS**						
	Reinforced masonry shear walls at Gymnasium & Stage	**2,910**	sf	23.00	66,930		
	Stairs/Elevator; 2 HR rated	**3,220**	sf	16.00	51,520		
	Corridors; GWB with 2 lyrs corridor side	**21,518**	sf	15.55	334,605		
	Demising; Metal stud w/ 2 layers gwb	**10,892**	sf	17.35	188,976		
	Partitions at Admin spaces, back of house etc.	**2,744**	sf	15.85	43,492		
	Partitions at existing exterior wall	**5,082**	sf	15.00	76,230		
	Sealants & caulking at partitions	**41,284**	sf	0.50	20,642		
	Rough blocking to partitions	**3,176**	lf	3.00	9,528		
	Glazed partitions/borrowed lights - allowance	**1**	ls	75,000.00	75,000		
	Miscellaneous partitions not yet shown	**63,282**	gsf	5.00	316,410		
	SUBTOTAL					1,183,333	
C1020	**INTERIOR DOORS**						

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
OPTION 3B - NEW ADDITION TO ELEMENTARY SCHOOL							
	Allowance for specialty doors, doors and hardware	**63,282**	gsf	4.00	253,128		
	SUBTOTAL					253,128	
C1030	**SPECIALTIES / MILLWORK**						
	Toilet Partitions and accessories	**63,282**	gsf	0.80	50,626		
	Backer panels in electrical closets	**1**	ls	1,000.00	1,000		
	Marker boards/tackboards in classrooms, offices, conference rooms, library and MP rooms; 20' tackboard w/ 8' markerboard in each Educational space	**63,282**	sf	1.00	63,282		
	Building directory	**1**	loc	3,000.00	3,000		
	Bronze dedication plaque	**1**	loc	2,500.00	2,500		
	Room Signs	**63,282**	gsf	0.40	25,313		
	Fire extinguisher cabinets	**21**	ea	350.00	7,350		
	Corridor Lockers	**63,282**	gsf	1.00	63,282		
	Janitors Closet Accessories	**1**	ls	1,000.00	1,000		
	Shelving in storage rooms	**1**	ls	10,000.00	10,000		
	Staff mailboxes/casework	**1**	ls	5,000.00	5,000		
	Reception desk in Media - allowance	**1**	ls	20,000	20,000		
	Library shelving				F,F & E		
	Display cases	**1**	ls	30,000.00	30,000		
	Miscellaneous metals throughout building	**63,282**	sf	1.00	63,282		
	Miscellaneous sealants throughout building	**63,282**	sf	1.25	79,103		
	SUBTOTAL					424,738	
	TOTAL - INTERIOR CONSTRUCTION						**$1,861,199**
C20	***STAIRCASES***						
C2010	**STAIR CONSTRUCTION**						
	Stage stairs, wood	**2**	flts	5,000.00	10,000		
	Metal pan stair; egress stair	**1**	flt	30,000.00	30,000		
	Concrete fill to stairs	**1**	flt	2,000.00	2,000		
	SUBTOTAL					42,000	
C2020	**STAIR FINISHES**						
	High performance coating to stairs including all railings etc.	**1**	flt	3,000.00	3,000		
	Rubber tile at stairs - landings	**150**	sf	12.00	1,800		
	Rubber tile at stairs - treads & risers	**115**	lft	22.00	2,530		
	SUBTOTAL					7,330	
	TOTAL - STAIRCASES						**$49,330**
C30	***INTERIOR FINISHES***						
C3010	**WALL FINISHES**						
	Allowance for wall finishes	**63,282**	gsf	5.00	316,410		
	SUBTOTAL					316,410	
C3020	**FLOOR FINISHES**						
	Allowance for floor finishes	**63,282**	gsf	7.00	442,974		
	SUBTOTAL					442,974	
C3030	**CEILING FINISHES**						
	Allowance for ceiling finishes	**63,282**	sf	7.00	442,974		
	SUBTOTAL					442,974	

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
OPTION 3B - NEW ADDITION TO ELEMENTARY SCHOOL							
	TOTAL - INTERIOR FINISHES						**$1,202,358**
D10	***CONVEYING SYSTEMS***						
D1010	**ELEVATOR**						
	SUBTOTAL					-	
	TOTAL - CONVEYING SYSTEMS						
D20	***PLUMBING***						
D20	**PLUMBING, GENERALLY**						
	Plumbing; complete system	**63,282**	gsf	12.00	759,384		
	SUBTOTAL					759,384	
	TOTAL - PLUMBING						**$759,384**
D30	***HVAC***						
D30	**HVAC, GENERALLY**						
	HVAC complete system	**63,282**	gsf	36.00	2,278,152		
	SUBTOTAL					2,278,152	
	TOTAL - HVAC						**$2,278,152**
D40	***FIRE PROTECTION***						
D40	**FIRE PROTECTION, GENERALLY**						
	Sprinkler system	**63,282**	gsf	4.50	284,769		
	SUBTOTAL					284,769	
	TOTAL - FIRE PROTECTION						**$284,769**
D50	***ELECTRICAL***						
D5010	**COMPLETE ELECTRICAL SYSTEM**						
	Electrical system; complete	**63,282**	gsf	30.00	1,898,460		
	SUBTOTAL					1,898,460	
	TOTAL - ELECTRICAL						**$1,898,460**
E10	***EQUIPMENT***						
E10	**EQUIPMENT, GENERALLY**						
	Gym wall pads	**1**	ls	10,000.00	10,000		
	Basketball backstops; swing up; electric operated	**4**	ea	9,800.00	39,200		
	Gymnasium dividing net; electrically operated	**1**	loc	45,000.00	45,000		
	Volleyball net and standards	**1**	ea	2,000.00	2,000		
	Telescoping bleachers	**1**	ls	25,000.00	25,000		
	Theatrical Equipment Stage curtains, rigging and controls	**1**	ls		In Reno		
	Stage lighting and dimming	**1**	ls		In Reno		
	Food Service equipment	**1**	ls	350,000.00	350,000		
	Electrically operated projection screens	**1**	loc	10,000.00	10,000		
	AV Equipment (including Smartboards, Projectors, LED monitors, Digital information displays etc.)				FF+E		
	SUBTOTAL					481,200	

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
OPTION 3B - NEW ADDITION TO ELEMENTARY SCHOOL							
	TOTAL - EQUIPMENT						**$481,200**
	E20 FURNISHINGS						
E2010	**FIXED FURNISHINGS**						
	Entry mats & frames - recessed with carpet/rubber strips	**500**	sf	45.00	22,500		
	Manual operated roller shades	**8,078**	sf	6.00	48,468		
	Counters, base cabinets, tall storage in classrooms and other rooms	**63,282**	gsf	6.00	379,692		
	SUBTOTAL					450,660	
E2020	**MOVABLE FURNISHINGS**						
	All movable furnishings to be provided and installed by owner						
	SUBTOTAL					NIC	
	TOTAL - FURNISHINGS						**$450,660**
	F10 SPECIAL CONSTRUCTION						
F10	**SPECIAL CONSTRUCTION**						
	No Work in this section						
	SUBTOTAL						
	TOTAL - SPECIAL CONSTRUCTION						
	F20 SELECTIVE BUILDING DEMOLITION						
F2010	**BUILDING ELEMENTS DEMOLITION**						
	See main summary for demolition of existing buildings						
	SUBTOTAL						
F2020	**HAZARDOUS COMPONENTS ABATEMENT**						
	See main summary for HazMat allowance				See Summary		
	SUBTOTAL						
	TOTAL - SELECTIVE BUILDING DEMOLITION						

Bourne Elementary Schools 07-Mar-16
Design Options
Bourne, MA

Feasibility Design Submission GFA 68,100

CONSTRUCTION COST SUMMARY

	BUILDING SYSTEM		*SUB-TOTAL*	*TOTAL*	*$/SF*	*%*
OPTION 3B - RENOVATION TO ELEMENTARY SCHOOL						
A10	**FOUNDATIONS**					
	A1010	Standard Foundations	$0			
	A1020	Special Foundations	$0			
	A1030	Lowest Floor Construction	$99,290	**$99,290**	$1.46	2.1%
A20	**BASEMENT CONSTRUCTION**					
	A2010	Basement Excavation	$0			
	A2020	Basement Walls	$0	**$0**	$0.00	0.0%
B10	**SUPERSTRUCTURE**					
	B1010	Upper Floor Construction	$20,000			
	B1020	Roof Construction	$0	**$20,000**	$0.29	0.4%
B20	**EXTERIOR CLOSURE**					
	B2010	Exterior Walls	$5,600			
	B2020	Windows	$0			
	B2030	Exterior Doors	$0	**$5,600**	$0.08	0.1%
B30	**ROOFING**					
	B3010	Roof Coverings	$200,000			
	B3020	Roof Openings	$0	**$200,000**	$2.94	4.3%
C10	**INTERIOR CONSTRUCTION**					
	C1010	Partitions	$389,000			
	C1020	Interior Doors	$167,800			
	C1030	Specialties/Millwork	$304,855	**$861,655**	$12.65	18.7%
C20	**STAIRCASES**					
	C2010	Stair Construction	$0			
	C2020	Stair Finishes	$14,660	**$14,660**	$0.22	0.3%
C30	**INTERIOR FINISHES**					
	C3010	Wall Finishes	$157,450			
	C3020	Floor Finishes	$215,200			
	C3030	Ceiling Finishes	$162,900	**$535,550**	$7.86	11.6%
D10	**CONVEYING SYSTEMS**					
	D1010	Elevator	$0	**$0**	$0.00	0.0%
D20	**PLUMBING**					
	D20	Plumbing	$189,600	**$189,600**	$2.78	4.1%

Bourne Elementary Schools 07-Mar-16
Design Options
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CONSTRUCTION COST SUMMARY

OPTION 3B - RENOVATION TO ELEMENTARY SCHOOL

	BUILDING SYSTEM		*SUB-TOTAL*	*TOTAL*	*$/SF*	*%*
D30	**HVAC**					
	D30	HVAC	$1,196,400	**$1,196,400**	$17.57	25.9%
D40	**FIRE PROTECTION**					
	D40	Fire Protection	$136,200	**$136,200**	$2.00	2.9%
D50	**ELECTRICAL**					
	D5010	Complete System	$892,400	**$892,400**	$13.10	19.3%
E10	**EQUIPMENT**					
	E10	Equipment	$120,000	**$120,000**	$1.76	2.6%
E20	**FURNISHINGS**					
	E2010	Fixed Furnishings	$117,300			
	E2020	Movable Furnishings	NIC	**$117,300**	$1.72	2.5%
F10	**SPECIAL CONSTRUCTION**					
	F10	Special Construction	$0	**$0**	$0.00	0.0%
F20	**HAZMAT REMOVALS**					
	F2010	Building Elements Demolition	$231,000			
	F2020	Hazardous Components Abatement	$0	**$231,000**	$3.39	5.0%
	TOTAL DIRECT COST (Trade Costs)			***$4,619,655***	*$67.84*	*100.0%*

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
OPTION 3B - RENOVATION TO ELEMENTARY SCHOOL							
	GROSS FLOOR AREA CALCULATION						
	First Floor			49,645			
	Second Floor			18,455			
	TOTAL GROSS FLOOR AREA (GFA)				**68,100** ***sf***		
A10	***FOUNDATIONS***						
A1010	**STANDARD FOUNDATIONS**						
	Allowance for miscellaneous foundation work for seismic upgrades	**49,645**	sf	5.00	Assumed Not Required		
	SUBTOTAL					-	
A1020	**SPECIAL FOUNDATIONS**						
	No Work in this section						
	SUBTOTAL						
A1030	**LOWEST FLOOR CONSTRUCTION**						
	Allowance for patching of existing slabs disturbed by new work	**49,645**	sf	2.00	99,290		
	Miscellaneous						
	New Elevator pits	**1**	ea	25,000.00	In Addition		
	New loading dock - allow	**1**	ls	20,000.00	In Addition		
	Equipment pads - allow	**1**	ls	5,000.00	In Addition		
	SUBTOTAL					99,290	
	TOTAL - FOUNDATIONS						**$99,290**
A20	***BASEMENT CONSTRUCTION***						
A2010	**BASEMENT EXCAVATION**						
	No items in this section						
	SUBTOTAL					-	
A2020	**BASEMENT WALLS**						
	No items in this section						
	SUBTOTAL					-	
	TOTAL - BASEMENT CONSTRUCTION						
B10	***SUPERSTRUCTURE***						
B1010	**FLOOR CONSTRUCTION**						
	Allowance for seismic upgrades	**49,645**	sf	8.00	Assumed Not Required		
	New penetrations to existing structure	**1**	ls	15,000.00	15,000		
	Fire stopping floors	**1**	flrs	5,000.00	5,000		
	SUBTOTAL					20,000	
B1020	**ROOF CONSTRUCTION**						
	Allowance for seismic upgrades	**18,455**	sf	8.00	Assumed Not Required		
	SUBTOTAL					-	
	TOTAL - SUPERSTRUCTURE						**$20,000**

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
	OPTION 3B - RENOVATION TO ELEMENTARY SCHOOL						
	B20 EXTERIOR CLOSURE						
B2010	**EXTERIOR WALLS**						
	Miscellaneous						
	Demolition/ create opes/ tie in at existing exterior closure @ connection to new additions	**224**	sf	25.00	5,600		
	SUBTOTAL					5,600	
B2020	**WINDOWS**						
	Curtainwall replace existing		sf	120.00	ETR		
	Windows/storefront replace existing		sf	85.00	ETR		
	Backer rod & double sealant		lf	9.00	ETR		
	Wood blocking at openings		lf	4.00	ETR		
	SUBTOTAL					-	
B2030	**EXTERIOR DOORS**						
	Glazed entrance doors including frame and hardware; double door		pr	8,000.00	ETR		
	HM doors, frames and hardware- Double		pr	3,600.00	ETR		
	HM doors, frames and hardware- Single		ea	1,800.00	ETR		
	Coiling door at Loading dock		ls	7,500.00	ETR		
	Backer rod & double sealant		lf	9.00	ETR		
	Wood blocking at openings		lf	4.00	ETR		
	SUBTOTAL					-	
	TOTAL - EXTERIOR CLOSURE						**$5,600**
	B30 ROOFING						
B3010	**ROOF COVERINGS**						
	Flat roofing						
	Remove existing roof membrane down to insulation	**49,645**	sf	3.00	ETR		
	PVC roof membrane fully adhered	**49,645**	sf	7.50	ETR		
	Insulation	**49,645**	sf	6.00	ETR		
	1/2" dens-deck protection board	**49,645**	sf	2.00	ETR		
	Reinforced vapor barrier	**49,645**	sf	1.00	ETR		
	Rough blocking	**1**	lf	6.00	ETR		
	Miscellaneous Roofing						
	Repair existing roofing	**1**	ls	200,000.00	200,000		
	Roof ladders	**1**	ls	3,000.00	ETR		
	Walk pads	**1**	ls	7,500.00	ETR		
	SUBTOTAL					200,000	
B3020	**ROOF OPENINGS**						
	Roof hatch	**1**	loc	2,500.00	ETR		
	SUBTOTAL					-	
	TOTAL - ROOFING						**$200,000**
	C10 INTERIOR CONSTRUCTION						
C1010	**PARTITIONS**						
	Allowance to modify/replace existing partitions at extensive renovation	**15,800**	sf	18.00	284,400		

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
OPTION 3B - RENOVATION TO ELEMENTARY SCHOOL							
	Allowance for minor patching at existing partitions at minimal renovation	**52,300**	sf	2.00	104,600		
	SUBTOTAL					389,000	
C1020	**INTERIOR DOORS**						
	Allowance for specialty doors, doors and hardware	**15,800**	gsf	4.00	63,200		
	Allowance for ADA hardware at minimal renovation areas	**52,300**	gsf	2.00	104,600		
	SUBTOTAL					167,800	
C1030	**SPECIALTIES / MILLWORK**						
	Toilet Partitions and accessories	**15,800**	gsf	0.80	12,640		
	Backer panels in electrical closets	**1**	ls	1,000.00	1,000		
	Marker boards/tackboards in classrooms, offices, conference rooms, library and MP rooms; 20' tackboard w/ 8' markerboard in each Educational space	**15,800**	sf	1.00	15,800		
	Building directory	**1**	loc	3,000.00	In Addition		
	Bronze dedication plaque	**1**	loc	2,500.00	In Addition		
	Room Signs	**68,100**	gsf	0.40	27,240		
	Fire extinguisher cabinets	**23**	ea	350.00	8,050		
	Corridor Lockers	**68,100**	gsf	1.00	ETR		
	Janitors Closet Accessories	**1**	ls	1,000.00	1,000		
	Shelving in storage rooms	**1**	ls	10,000.00	10,000		
	Staff mailboxes/casework	**1**	ls	5,000.00	In Addition		
	Reception desk in Media - allowance	**1**	ls	20,000	In Addition		
	Library shelving				F,F & E		
	Student cubbies in classrooms	**24**	rms	6,000.00	144,000		
	Display cases	**1**	ls	15,000.00	ETR		
	Miscellaneous metals throughout building	**68,100**	sf	0.75	51,075		
	Miscellaneous sealants throughout building	**68,100**	sf	0.50	34,050		
	SUBTOTAL					304,855	
	TOTAL - INTERIOR CONSTRUCTION						**$861,655**
C20	***STAIRCASES***						
C2010	**STAIR CONSTRUCTION**						
	Metal pan stair; egress stair; modify existing	**2**	flt	10,000.00	Assumed Not Required		
	Concrete fill to stairs	**2**	flt	2,000.00	NIC		
	SUBTOTAL					-	
C2020	**STAIR FINISHES**						
	High performance coating to stairs including all railings etc.	**2**	flt	3,000.00	6,000		
	Rubber tile at stairs - landings	**300**	sf	12.00	3,600		
	Rubber tile at stairs - treads & risers	**230**	lft	22.00	5,060		
	SUBTOTAL					14,660	
	TOTAL - STAIRCASES						**$14,660**
C30	***INTERIOR FINISHES***						
C3010	**WALL FINISHES**						
	Allowance for wall finishes at extensive renovation	**15,800**	gsf	5.00	79,000		
	Allowance for painting at minor renovation	**52,300**	gsf	1.50	78,450		

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
OPTION 3B - RENOVATION TO ELEMENTARY SCHOOL							
	SUBTOTAL					157,450	
C3020	**FLOOR FINISHES**						
	Allowance for floor finishes at extensive renovation	**15,800**	gsf	7.00	110,600		
	Allowance for floor finishes at minor renovation	**52,300**	gsf	2.00	104,600		
	SUBTOTAL					215,200	
C3030	**CEILING FINISHES**						
	Allowance for ceiling finishes at extensive renovation	**15,800**	sf	7.00	110,600		
	Allowance for ceiling finishes at minor renovation	**52,300**	gsf	1.00	52,300		
	SUBTOTAL					162,900	
	TOTAL - INTERIOR FINISHES						**$535,550**
D10	***CONVEYING SYSTEMS***						
D1010	**ELEVATOR**						
	SUBTOTAL					-	
	TOTAL - CONVEYING SYSTEMS						
D20	***PLUMBING***						
D20	**PLUMBING, GENERALLY**						
	Plumbing; complete system at extensive renovation	**15,800**	gsf	12.00	189,600		
	Plumbing; assume no work at minor renovation	**52,300**	gsf				
	SUBTOTAL					189,600	
	TOTAL - PLUMBING						**$189,600**
D30	***HVAC***						
D30	**HVAC, GENERALLY**						
	HVAC complete system at extensive renovation	**15,800**	gsf	36.00	568,800		
	HVAC modifications at minor renovation	**52,300**	gsf	12.00	627,600		
	SUBTOTAL					1,196,400	
	TOTAL - HVAC						**$1,196,400**
D40	***FIRE PROTECTION***						
D40	**FIRE PROTECTION, GENERALLY**						
	Sprinkler system; modify existing	**68,100**	gsf	2.00	136,200		
	SUBTOTAL					136,200	
	TOTAL - FIRE PROTECTION						**$136,200**
D50	***ELECTRICAL***						
D5010	**COMPLETE ELECTRICAL SYSTEM**						
	Electrical system; complete at extensive renovation	**15,800**	gsf	30.00	474,000		
	Electrical modifications at minor renovation	**52,300**	gsf	8.00	418,400		
	SUBTOTAL					892,400	
	TOTAL - ELECTRICAL						**$892,400**
E10	***EQUIPMENT***						

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
OPTION 3B - RENOVATION TO ELEMENTARY SCHOOL							
E10	**EQUIPMENT, GENERALLY**						
	Gym wall pads	**1**	ls	10,000.00	In Addition		
	Basketball backstops; swing up; electric operated	**4**	ea	9,800.00	In Addition		
	Gymnasium dividing net; electrically operated	**1**	loc	45,000.00	In Addition		
	Volleyball net and standards	**1**	ea	2,000.00	In Addition		
	Telescoping bleachers	**1**	ls	25,000.00	In Addition		
	Theatrical Equipment Stage curtains, rigging and controls	**1**	ls	75,000.00	75,000		
	Stage lighting and dimming	**1**	ls	35,000.00	35,000		
	Food Service equipment	**1**	ls	350,000.00	In Addition		
	Electrically operated projection screens	**1**	loc	10,000.00	10,000		
	AV Equipment (including Smartboards, Projectors, LED monitors, Digital information displays etc.)				FF+E		
	SUBTOTAL					120,000	
	TOTAL - EQUIPMENT						**$120,000**
E20	***FURNISHINGS***						
E2010	**FIXED FURNISHINGS**						
	Entry mats & frames - recessed with carpet/rubber strips	**500**	sf	45.00	22,500		
	Manual operated roller shades		sf	6.00	ETR		
	Counters, base cabinets, tall storage in classrooms and other rooms at extensive renovations	**15,800**	gsf	6.00	94,800		
	SUBTOTAL					117,300	
E2020	**MOVABLE FURNISHINGS**						
	All movable furnishings to be provided and installed by owner						
	SUBTOTAL					NIC	
	TOTAL - FURNISHINGS						**$117,300**
F10	***SPECIAL CONSTRUCTION***						
F10	**SPECIAL CONSTRUCTION**						
	No Work in this section						
	SUBTOTAL						
	TOTAL - SPECIAL CONSTRUCTION						
F20	***SELECTIVE BUILDING DEMOLITION***						
F2010	**BUILDING ELEMENTS DEMOLITION**						
	Extensive demolition of renovation areas; finishes, doors, MEP systems, casework and specialties at extensive renovations	**15,800**	sf	8.00	126,400		
	Minor demolition of renovation areas; finishes, doors, MEP systems, casework and specialties at minor renovations	**52,300**	sf	2.00	104,600		
	Demo of exterior windows		sf	6.00	ETR		
	Demo of roof included in Divisions above				ETR		
	SUBTOTAL					231,000	
F2020	**HAZARDOUS COMPONENTS ABATEMENT**						
	See main summary for HazMat allowance				See Summary		
	SUBTOTAL						
	TOTAL - SELECTIVE BUILDING DEMOLITION						**$231,000**

CSI CODE	*DESCRIPTION*	*QTY*	*UNIT*	*UNIT COST*	*EST'D COST*	*SUB TOTAL*	TOTAL COST

OPTION 3B - RENOVATION TO ELEMENTARY SCHOOL

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
SITEWORK OPTION 3B							
	G SITEWORK						
G10	**SITE PREPARATION & DEMOLITION**						
	Site Demolitions and Relocations						
	Site construction fence	**2,150**	lf	14.00	30,100		
	Pavement/curbing removal - grind up asphalt to reuse	**130,900**	sf	0.80	104,720		
	Remove and dispose walkways	**1**	ls	10,000.00	10,000		
	Tree removal	**1**	ls	20,000.00	20,000		
	Misc. Tree Protection	**1**	ls	5,000.00	5,000		
	Remove and dispose of existing drainage structures and utilities	**1**	ls	40,000.00	40,000		
	SUBTOTAL					$209,820	
	Site Earthwork						
	Construction entrances/wheel washes (allowance)	**1**	loc	15,000.00	15,000		
	Strip topsoil, store on site for reuse	**2,481**	cy	8.00	19,848		
	Cut/fill	**18,519**	cy	6.00	111,114		
	Fine grading	**31,775**	sy	0.50	15,888		
	Silt fence/erosion control (allowance)	**2,150**	lf	12.00	25,800		
	Erosion Control monitoring & maintenance	**1**	ls	10,000.00	10,000		
	Hazardous Waste Remediation						
	No items in this section						
	SUBTOTAL					$197,650	
G20	**SITE IMPROVEMENTS**						
	Roadways and Parking Lots						
	Bituminous concrete paving	*146,169*					
	gravel base; 12" thick	**5,414**	cy	35.00	189,490		
	bituminous concrete; 4" thick	**16,241**	sy	25.00	406,025		
	6"x18" granite curb	**8,232**	lf	32.00	263,424		
	Single solid lines, 4" thick	**213**	space	25.00	5,325		
	Wheelchair Parking	**10**	space	75.00	750		
	Crosswalk Hatching	**2**	loc	900.00	1,800		
	Other road markings	**1**	ls	7,500.00	7,500		
	HC curb cuts	**4**	loc	1,100.00	4,400		
	New entrance sign	**1**	ls	10,000.00	10,000		
	New traffic signs	**1**	ls	5,000.00	5,000		
	SUBTOTAL					$893,714	
	Pedestrian paving						
	Bituminous concrete paving	*10,000*	sf				
	gravel base; 12" thick	**370**	cy	35.00	12,950		
	bituminous concrete; 3" thick	**1,111**	sy	28.00	31,108		
	Concrete Pavers						
	Concrete pavers						
	Precast concrete pavers	**5,606**	sf	16.00	89,696		
	gravel base; 8" thick	**139**	cy	35.00	4,865		
	dry pack; 2" thick	**33**	cy	22.00	726		
	concrete base; 4" thick	**5,606**	sf	5.00	28,030		
	Site Improvements						
	Bicycle racks	**10**	ea	800.00	8,000		
	45' Flag pole	**1**	loc	7,500.00	7,500		
	Flag pole base	**1**	loc	1,500.00	1,500		
	Ornamental trash/recycling receptacles	**10**	ea	800.00	8,000		
	Seating walls	**1**	ls	75,000.00	75,000		
	Segmented block retaining walls	**3,400**	sf	55.00	187,000		
	Dumpster enclosure	**100**	lf	60.00	6,000		
	Play surface	**5,000**	sf	16.00	80,000		
	Track surface	**10,000**	sf	8.00	80,000		

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
SITEWORK OPTION 3B							
	Play equipment	**1**	ls	180,000.00	180,000		
	Other sitework improvements	**1**	ls	25,000.00	25,000		
	Tennis Courts	*24,200*					
	Gravel base - 12" thick	**896**	cy	35.00	NIC		
	Tennis court surface - color coated acrylic over asphalt	**2,689**	sy	42.00	NIC		
	Nets and posts	**4**	courts	900.00	NIC		
	Vinyl CL Fencing; 10'	**643**	lf	55.00	NIC		
	Gate, single	**2**	ea	1,200.00	NIC		
	Landscaping & Plantings:						
	Spread existing amended topsoil @ seeded areas	**1,852**	cy	22.00	40,744		
	New seeded areas - L&S	**100,000**	sf	0.20	20,000		
	Trees	**12**	ea	1,000.00	12,000		
	Shrubs/plantings and Groundcover	**1**	ls	50,000.00	50,000		
	SUBTOTAL					$948,119	
G30	**CIVIL MECHANICAL UTILITIES**						
	Water supply						
	New fire DI piping; 8"	**660**	lf	80.00	52,800		
	New fire DI piping; 6"	**660**	lf	70.00	46,200		
	New fire hydrant	**2**	loc	2,600.00	5,200		
	FD connection	**1**	loc	2,000.00	2,000		
	Gate valves	**4**	loc	750.00	3,000		
	Connect to existing line (Wet Taps)	**1**	loc	5,000.00	5,000		
	Sanitary sewer						
	8" sewer	**700**	lf	48.00	33,600		
	Connect to existing	**1**	loc	1,500.00	1,500		
	6,000 gal grease trap	**1**	loc	12,000.00	12,000		
	SMH	**5**	loc	4,000.00	20,000		
	Increase septic reserve by 50%	**4,050**	sf	50.00	202,500		
	Storm Sewer						
	Allowance for stormwater management	**1**	ls	500,000.00	500,000		
	Gas and Telecom service						
	E&B trench for new lines, pipe and install by utilities						
	New gas service	**660**	lf	25.00	16,500		
	New telecom service	**660**	lf	25.00	16,500		
	SUBTOTAL					$916,800	
G40	**SITE ELECTRICAL**						
	Power						
	Tap main power source	**1**	ea	3,000.00	3,000		
	Primary ductbank	**660**	lf	65.00	42,900		
	Primary cabling				Utility company		
	Pad mounted transformer				Utility company		
	Transformer pad	**1**	ea	3,000.00	3,000		
	Secondary ductbank						
	Secondary ductbank cabling	**50**	lf	300.00	15,000		
	Generator ductbank						
	Generator ductbank	**50**	lf	250.00	12,500		
	Communications						
	Communications ductbank	**660**	lf	85.00	56,100		
	Site Lighting/Power						
	Site lighting, roadway, parking, pathways and landscaping	**1**	ls	100,000.00	100,000		
	SUBTOTAL					$232,500	
SUBTOTAL SITE DEVELOPMENT OPTION 3B							**$3,398,603**

Bourne Elementary Schools
Design Options
Bourne, MA

07-Mar-16

Feasibility Design Submission

GFA 72,473

CONSTRUCTION COST SUMMARY

	BUILDING SYSTEM		*SUB-TOTAL*	*TOTAL*	*$/SF*	*%*
OPTION 4A - NEW ELEMENTARY SCHOOL						
A10	**FOUNDATIONS**					
	A1010	Standard Foundations	$809,723			
	A1020	Special Foundations	$0			
	A1030	Lowest Floor Construction	$637,547	**$1,447,270**	$19.97	7.7%
A20	**BASEMENT CONSTRUCTION**					
	A2010	Basement Excavation	$0			
	A2020	Basement Walls	$0	**$0**	$0.00	0.0%
B10	**SUPERSTRUCTURE**					
	B1010	Upper Floor Construction	$919,211			
	B1020	Roof Construction	$1,448,622	**$2,367,833**	$32.67	12.6%
B20	**EXTERIOR CLOSURE**					
	B2010	Exterior Walls	$1,751,867			
	B2020	Windows	$1,591,138			
	B2030	Exterior Doors	$58,541	**$3,401,546**	$46.94	18.1%
B30	**ROOFING**					
	B3010	Roof Coverings	$1,037,826			
	B3020	Roof Openings	$12,500	**$1,050,326**	$14.49	5.6%
C10	**INTERIOR CONSTRUCTION**					
	C1010	Partitions	$1,314,566			
	C1020	Interior Doors	$289,892			
	C1030	Specialties/Millwork	$477,646	**$2,082,104**	$28.73	11.1%
C20	**STAIRCASES**					
	C2010	Stair Construction	$104,000			
	C2020	Stair Finishes	$14,660	**$118,660**	$1.64	0.6%
C30	**INTERIOR FINISHES**					
	C3010	Wall Finishes	$362,365			
	C3020	Floor Finishes	$507,311			
	C3030	Ceiling Finishes	$507,311	**$1,376,987**	$19.00	7.3%
D10	**CONVEYING SYSTEMS**					
	D1010	Elevator	$90,000	**$90,000**	$1.24	0.5%
D20	**PLUMBING**					
	D20	Plumbing	$869,676	**$869,676**	$12.00	4.6%

Bourne Elementary Schools
Design Options
Bourne, MA

07-Mar-16

Feasibility Design Submission

GFA 72,473

CONSTRUCTION COST SUMMARY

OPTION 4A - NEW ELEMENTARY SCHOOL

	BUILDING SYSTEM		*SUB-TOTAL*	*TOTAL*	*$/SF*	*%*
D30	**HVAC**					
	D30	HVAC	$2,609,028	**$2,609,028**	$36.00	13.9%
D40	**FIRE PROTECTION**					
	D40	Fire Protection	$326,129	**$326,129**	$4.50	1.7%
D50	**ELECTRICAL**					
	D5010	Complete System	$2,029,244	**$2,029,244**	$28.00	10.8%
E10	**EQUIPMENT**					
	E10	Equipment	$506,200	**$506,200**	$6.98	2.7%
E20	**FURNISHINGS**					
	E2010	Fixed Furnishings	$529,224			
	E2020	Movable Furnishings	NIC	**$529,224**	$7.30	2.8%
F10	**SPECIAL CONSTRUCTION**					
	F10	Special Construction	$0	**$0**	$0.00	0.0%
F20	**HAZMAT REMOVALS**					
	F2010	Building Elements Demolition	$0			
	F2020	Hazardous Components Abatement	$0	**$0**	$0.00	0.0%
	TOTAL DIRECT COST (Trade Costs)			***$18,804,227***	*$259.47*	*100.0%*

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
OPTION 4A - NEW ELEMENTARY SCHOOL							
	GROSS FLOOR AREA CALCULATION						
	First Floor			47,371			
	Second Floor			25,102			
	TOTAL GROSS FLOOR AREA (GFA)					**72,473**	***sf***
A10	***FOUNDATIONS***						
A1010	**STANDARD FOUNDATIONS**						
	Strip footings - 3'-0" x 2'-0"						
	Excavation	**1,970**	cy	12.00	23,640		
	Store on site for reuse	**1,970**	cy	14.00	27,580		
	Backfill with new fill	**1,615**	cy	16.00	25,840		
	Formwork	**6,080**	sf	11.00	66,880		
	Re-bar, 10#/lf	**15,200**	lbs	1.20	18,240		
	Concrete material; 3,000 psi	**355**	cy	125.00	44,375		
	Placing concrete	**355**	cy	55.00	19,525		
	Foundation walls at exterior - 16" thick						
	Formwork	**12,160**	sf	12.50	152,000		
	Re-bar, 4#/sf	**24,320**	lbs	1.20	29,184		
	Concrete material; 4,000 psi	**276**	cy	135.00	37,260		
	Placing concrete	**276**	cy	65.00	17,940		
	Dampproofing foundation wall and footing	**9,120**	sf	1.90	NIC		
	Insulation to foundation walls; 2" thick	**6,080**	sf	2.50	15,200		
	Form shelf	**1,520**	lf	8.00	12,160		
	Thickened slab at interior load bearing walls						
	Excavation	**162**	cy	12.00	1,944		
	Store on site for reuse	**162**	cy	14.00	2,268		
	Backfill with new fill	**147**	cy	16.00	2,352		
	Formwork	**250**	sf	11.00	2,750		
	Re-bar, 10#/lf	**1,250**	lbs	1.20	1,500		
	Concrete material; 3,000 psi	**15**	cy	125.00	1,875		
	Placing concrete	**15**	cy	55.00	825		
	Exterior column footings, typical, 8' x 8' x 2'-0"						
	Excavation	**862**	cy	15.00	12,930		
	Store on site for reuse	**862**	cy	14.00	12,068		
	Backfill with new fill	**608**	cy	16.00	9,728		
	Formwork	**3,264**	sf	11.00	35,904		
	Re-bar,150/cy	**38,100**	lbs	1.20	45,720		
	Concrete material; 3,000 psi	**254**	cy	125.00	31,750		
	Placing concrete	**254**	cy	55.00	13,970		
	Set anchor bolts grout plates	**51**	ea	150.00	7,650		
	Interior column footings, typical, 9' x 9' x 2'-0"						
	Excavation	**575**	cy	15.00	8,625		
	Store on site for reuse	**575**	cy	14.00	8,050		
	Backfill with new fill	**392**	cy	16.00	6,272		
	Formwork	**2,088**	sf	11.00	22,968		
	Re-bar,150/cy	**21,750**	lbs	1.20	26,100		
	Concrete material; 3,000 psi	**183**	cy	125.00	22,875		
	Placing concrete	**183**	cy	55.00	10,065		
	Set anchor bolts grout plates	**29**	ea	150.00	4,350		
	Perimeter drainage system per geotech	**1,520**	lf	18.00	27,360		

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
OPTION 4A - NEW ELEMENTARY SCHOOL							
	SUBTOTAL					809,723	
A1020	**SPECIAL FOUNDATIONS**						
	No Work in this section						
	SUBTOTAL						
A1030	**LOWEST FLOOR CONSTRUCTION**						
	New Slab on grade, 5" thick						
	Structural gravel fill, 8"	**1,170**	cy	30.00	35,100		
	Base course, 8" gravel	**1,170**	cy	35.00	40,950		
	Rigid insulation	**47,371**	sf	2.25	106,585		
	Vapor barrier	**47,371**	sf	0.75	35,528		
	Under slab drainage -allow	**47,371**	sf	2.50	118,428		
	Mesh reinforcing 15% lap	**54,477**	sf	0.80	43,582		
	Concrete - 5" thick	**774**	cy	125.00	96,750		
	Placing concrete	**774**	cy	45.00	34,830		
	Finishing and curing concrete	**47,371**	sf	1.50	71,057		
	Control joints - saw cut	**47,371**	sf	0.10	4,737		
	Miscellaneous						
	New Elevator pits	**1**	ea	25,000.00	25,000		
	New loading dock - allow	**1**	ls	20,000.00	20,000		
	Equipment pads - allow	**1**	ls	5,000.00	5,000		
	SUBTOTAL					637,547	
	TOTAL - FOUNDATIONS						**$1,447,270**
A20	***BASEMENT CONSTRUCTION***						
A2010	**BASEMENT EXCAVATION**						
	No items in this section						
	SUBTOTAL					-	
A2020	**BASEMENT WALLS**						
	No items in this section						
	SUBTOTAL					-	
	TOTAL - BASEMENT CONSTRUCTION						
B10	***SUPERSTRUCTURE***						
		12	lbs/sf				
B1010	**FLOOR CONSTRUCTION**	447	tns				
	Floor Structure - Steel:						
	Steel beams and columns; 13/SF	**163**	tns	3,400.00	554,200		
	Shear studs	**5,020**	ea	2.50	12,550		
	Floor Structure						
	3" Metal floor Deck	**25,102**	sf	4.00	100,408		
	WWF reinforcement	**28,867**	sf	0.80	23,094		
	Concrete Fill to metal deck; 5 1/4" Light weight	**400**	cy	170.00	68,000		
	Place and finish concrete	**25,102**	sf	2.00	50,204		
	Misc. perimeter angles	**1,520**	lf	25.00	38,000		
	Miscellaneous						
	Fire proofing to columns and beams	**25,102**	sf	2.50	62,755		
	Fire stopping floors	**2**	flrs	5,000.00	10,000		

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
OPTION 4A - NEW ELEMENTARY SCHOOL							
	SUBTOTAL					919,211	
B1020	**ROOF CONSTRUCTION**						
	Roof Structure - Steel:						
	Steel beams/Joists; 12#/SF	**284**	tns	3,400.00	965,600		
	Roof Structure						
	3" Metal floor Deck @ roof	**36,071**	sf	4.00	144,284		
	Acoustic deck at gym, 3", type NA	**11,300**	sf	7.00	79,100		
	Roof Structure @ Mech Equipment/Low roof						
	WWF reinforcement	**9,315**	sf	0.80	7,452		
	Concrete Fill to metal deck; 5 1/4" Light weight	**129**	cy	170.00	21,930		
	Place and finish concrete	**8,100**	sf	3.00	24,300		
	Miscellaneous						
	Canopy framing - allow	**1**	ls	30,000.00	30,000		
	Roof screen framing - allow	**1,100**	sf	20.00	22,000		
	Fire proofing to columns, beams and deck	**47,371**	sf	3.25	153,956		
	SUBTOTAL					1,448,622	
	TOTAL - SUPERSTRUCTURE						**$2,367,833**
B20	***EXTERIOR CLOSURE***						
B2010	**EXTERIOR WALLS**	*23,811*	sf				
	Interior skin						
	8" metal stud backup	**19,527**	sf	8.00	156,216		
	Batt insulation in stud	**19,527**	sf	2.25	43,936		
	2 1/2" Rigid Insulation	**19,527**	sf	3.00	58,581		
	Air barrier	**19,527**	sf	6.00	117,162		
	Air barrier/flashing at windows	**3,954**	lf	7.00	27,678		
	Gypsum Sheathing	**19,527**	sf	2.75	53,699		
	Drywall lining to interior face of stud backup	**19,527**	sf	3.00	58,581		
	Interior skin @ Gym and stage						
	8" CMU backup	**4,284**	sf	22.00	94,248		
	2 1/2" Rigid Insulation	**4,284**	sf	3.00	12,852		
	Air barrier	**4,284**	sf	6.00	25,704		
	Premium for GF block	**4,284**	sf	5.00	21,420		
	Exterior skin						
	Brick veneer	**19,049**	sf	35.00	666,715		
	Metal panels	**4,762**	sf	60.00	285,720		
	Miscellaneous						
	Aluminum sign at main entrance	**1**	ls	10,000.00	10,000		
	Staging to exterior wall	**39,785**	sf	3.00	119,355		
	SUBTOTAL					1,751,867	
B2020	**WINDOWS**	*15,974*	sf				
	Curtainwall	**3,993**	sf	110.00	439,230		
	Premium for sunscreen and light shelf elements	**1**	ls	50,000.00	50,000		
	Windows/storefront	**11,981**	sf	85.00	1,018,385		
	Louvers (allowance)	**250**	sf	60.00	15,000		
	Backer rod & double sealant	**5,271**	lf	9.00	47,439		
	Wood blocking at openings	**5,271**	lf	4.00	21,084		
	SUBTOTAL					1,591,138	
B2030	**EXTERIOR DOORS**						

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
OPTION 4A - NEW ELEMENTARY SCHOOL							
	Glazed entrance doors including frame and hardware; double door	**5**	pr	8,000.00	40,000		
	HM doors, frames and hardware- Double	**2**	pr	3,600.00	7,200		
	HM doors, frames and hardware- Single	**1**	ea	1,800.00	1,800		
	Coiling door at Loading dock	**1**	ls	7,500.00	7,500		
	Backer rod & double sealant	**157**	lf	9.00	1,413		
	Wood blocking at openings	**157**	lf	4.00	628		
	SUBTOTAL					58,541	
	TOTAL - EXTERIOR CLOSURE						**$3,401,546**
B30	***ROOFING***						
B3010	**ROOF COVERINGS**						
	Flat roofing						
	PVC roof membrane fully adhered	**47,371**	sf	7.50	355,283		
	Insulation	**47,371**	sf	6.00	284,226		
	1/2" dens-deck protection board	**47,371**	sf	2.00	94,742		
	Reinforced vapor barrier	**47,371**	sf	1.00	47,371		
	Rough blocking	**1,674**	lf	6.00	10,044		
	Miscellaneous Roofing						
	Canopies - allow	**300**	sf	75.00	22,500		
	Roof screens - allow	**1,100**	sf	50.00	55,000		
	Roof fascia/cornice	**1,674**	lf	90.00	150,660		
	Roof ladders	**1**	ls	3,000.00	3,000		
	Walk pads	**1**	ls	15,000.00	15,000		
	SUBTOTAL					1,037,826	
B3020	**ROOF OPENINGS**						
	Skylights, allow	**1**	ls	10,000.00	10,000		
	Roof hatch	**1**	loc	2,500.00	2,500		
	SUBTOTAL					12,500	
	TOTAL - ROOFING						**$1,050,326**
C10	***INTERIOR CONSTRUCTION***						
C1010	**PARTITIONS**						
	Reinforced masonry shear walls at Gymnasium & Stage	**6,870**	sf	23.00	158,010		
	Stairs/Elevator; 2 HR rated	**4,438**	sf	16.00	71,008		
	Corridors; GWB with 2 lyrs corridor side	**18,466**	sf	15.55	287,146		
	Demising; Metal stud w/ 2 layers gwb	**13,076**	sf	17.35	226,869		
	Partitions at Admin spaces, back of house etc.	**1,680**	sf	15.85	26,628		
	Sealants & caulking at partitions	**44,530**	sf	0.50	22,265		
	Rough blocking to partitions	**3,425**	lf	3.00	10,275		
	Glazed partitions/borrowed lights - allowance	**1**	ls	150,000.00	150,000		
	Miscellaneous partitions not yet shown	**72,473**	gsf	5.00	362,365		
	SUBTOTAL					1,314,566	
C1020	**INTERIOR DOORS**						
	Allowance for specialty doors, doors and hardware	**72,473**	gsf	4.00	289,892		
	SUBTOTAL					289,892	
C1030	**SPECIALTIES / MILLWORK**						
	Toilet Partitions and accessories	**72,473**	gsf	0.80	57,978		

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
OPTION 4A - NEW ELEMENTARY SCHOOL							
	Backer panels in electrical closets	**1**	ls	1,000.00	1,000		
	Marker boards/tackboards in classrooms, offices, conference rooms, library and MP rooms; 20' tackboard w/ 8' markerboard in each Educational space	**72,473**	sf	1.00	72,473		
	Building directory	**1**	loc	3,000.00	3,000		
	Bronze dedication plaque	**1**	loc	2,500.00	2,500		
	Room Signs	**72,473**	gsf	0.40	28,989		
	Fire extinguisher cabinets	**24**	ea	350.00	8,400		
	Cubbies	**72,473**	gsf	0.80	57,978		
	Team room lockers; allowance	**1**	ls	30,000.00	30,000		
	Janitors Closet Accessories	**1**	ls	1,000.00	1,000		
	Shelving in storage rooms	**1**	ls	10,000.00	10,000		
	Staff mailboxes/casework	**1**	ls	5,000.00	5,000		
	Reception desk in Media - allowance	**1**	ls	20,000	20,000		
	Library shelving				F,F & E		
	Display cases	**1**	ls	30,000.00	30,000		
	Guardrail at open to below spaces	**75**	lf	300.00	22,500		
	Miscellaneous metals throughout building	**72,473**	sf	1.00	72,473		
	Miscellaneous sealants throughout building	**72,473**	sf	0.75	54,355		
	SUBTOTAL					477,646	
	TOTAL - INTERIOR CONSTRUCTION						**$2,082,104**
C20	***STAIRCASES***						
C2010	**STAIR CONSTRUCTION**						
	Feature stair including rails and finishes	**1**	flt	60,000.00	60,000		
	Stage stairs, wood	**2**	flts	5,000.00	10,000		
	Metal pan stair; egress stair	**1**	flt	30,000.00	30,000		
	Concrete fill to stairs	**2**	flt	2,000.00	4,000		
	SUBTOTAL					104,000	
C2020	**STAIR FINISHES**						
	High performance coating to stairs including all railings etc.	**2**	flt	3,000.00	6,000		
	Rubber tile at stairs - landings	**300**	sf	12.00	3,600		
	Rubber tile at stairs - treads & risers	**230**	lft	22.00	5,060		
	SUBTOTAL					14,660	
	TOTAL - STAIRCASES						**$118,660**
C30	***INTERIOR FINISHES***						
C3010	**WALL FINISHES**						
	Allowance for wall finishes	**72,473**	gsf	5.00	362,365		
	SUBTOTAL					362,365	
C3020	**FLOOR FINISHES**						
	Allowance for floor finishes	**72,473**	gsf	7.00	507,311		
	SUBTOTAL					507,311	
C3030	**CEILING FINISHES**						
	Allowance for ceiling finishes	**72,473**	sf	7.00	507,311		
	SUBTOTAL					507,311	
	TOTAL - INTERIOR FINISHES						**$1,376,987**

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
OPTION 4A - NEW ELEMENTARY SCHOOL							
D10	***CONVEYING SYSTEMS***						
D1010	**ELEVATOR**						
	New elevator; 2 stop	**1**	ea	90,000.00	90,000		
	SUBTOTAL					90,000	
	TOTAL - CONVEYING SYSTEMS						**$90,000**
D20	***PLUMBING***						
D20	**PLUMBING, GENERALLY**						
	Plumbing; complete system	**72,473**	gsf	12.00	869,676		
	SUBTOTAL					869,676	
	TOTAL - PLUMBING						**$869,676**
D30	***HVAC***						
D30	**HVAC, GENERALLY**						
	HVAC complete system	**72,473**	gsf	36.00	2,609,028		
	SUBTOTAL					2,609,028	
	TOTAL - HVAC						**$2,609,028**
D40	***FIRE PROTECTION***						
D40	**FIRE PROTECTION, GENERALLY**						
	Sprinkler system	**72,473**	gsf	4.50	326,129		
	SUBTOTAL					326,129	
	TOTAL - FIRE PROTECTION						**$326,129**
D50	***ELECTRICAL***						
D5010	**COMPLETE ELECTRICAL SYSTEM**						
	Electrical system; complete	**72,473**	gsf	28.00	2,029,244		
	SUBTOTAL					2,029,244	
	TOTAL - ELECTRICAL						**$2,029,244**
E10	***EQUIPMENT***						
E10	**EQUIPMENT, GENERALLY**						
	Gym wall pads	**1**	ls	10,000.00	10,000		
	Basketball backstops; swing up; electric operated	**4**	ea	9,800.00	39,200		
	Gymnasium dividing net; electrically operated	**1**	loc	45,000.00	45,000		
	Volleyball net and standards	**1**	ea	2,000.00	2,000		
	Telescoping bleachers	**1**	ls	25,000.00	25,000		
	Theatrical Equipment Stage curtains, rigging and controls	**1**	ls	150,000.00	150,000		
	Stage lighting and dimming	**1**	ls	75,000.00	75,000		
	Food Service equipment	**1**	ls	150,000.00	150,000		
	Electrically operated projection screens	**1**	loc	10,000.00	10,000		
	AV Equipment (including Smartboards, Projectors, LED monitors, Digital information displays etc.)				FF+E		
	SUBTOTAL					506,200	
	TOTAL - EQUIPMENT						**$506,200**

PM&C

Bourne Elementary Schools 07-Mar-16
Design Options
Bourne, MA

Feasibility Design Submission GFA 72,473

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
OPTION 4A - NEW ELEMENTARY SCHOOL							
E20	***FURNISHINGS***						
E2010	**FIXED FURNISHINGS**						
	Entry mats & frames - recessed with carpet/rubber strips	**500**	sf	45.00	22,500		
	Manual operated roller shades	**11,981**	sf	6.00	71,886		
	Counters, base cabinets, tall storage in classrooms and other rooms	**72,473**	gsf	6.00	434,838		
	SUBTOTAL					529,224	
E2020	**MOVABLE FURNISHINGS**						
	All movable furnishings to be provided and installed by owner						
	SUBTOTAL					NIC	
	TOTAL - FURNISHINGS						**$529,224**
F10	***SPECIAL CONSTRUCTION***						
F10	**SPECIAL CONSTRUCTION**						
	No Work in this section						
	SUBTOTAL						
	TOTAL - SPECIAL CONSTRUCTION						
F20	***SELECTIVE BUILDING DEMOLITION***						
F2010	**BUILDING ELEMENTS DEMOLITION**						
	See main summary for demolition of existing buildings						
	SUBTOTAL						
F2020	**HAZARDOUS COMPONENTS ABATEMENT**						
	See main summary for HazMat allowance				See Summary		
	SUBTOTAL						
	TOTAL - SELECTIVE BUILDING DEMOLITION						

SITEWORK OPTION 4A

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
	G SITEWORK						
G10	**SITE PREPARATION & DEMOLITION**						
	Site Demolitions and Relocations						
	Site construction fence	**2,900**	lf	14.00	40,600		
	Pavement/curbing removal - grind up asphalt to reuse	**116,200**	sf	0.80	92,960		
	Remove and dispose walkways	**1**	ls	10,000.00	10,000		
	Remove and dispose tennis courts	**25,600**	sf	2.00	51,200		
	Tree removal	**1**	ls	20,000.00	20,000		
	Misc. Tree Protection	**1**	ls	5,000.00	5,000		
	Remove and dispose of existing drainage structures and utilities	**1**	ls	40,000.00	40,000		
	SUBTOTAL					$259,760	
	Site Earthwork						
	Construction entrances/wheel washes (allowance)	**1**	loc	15,000.00	15,000		
	Strip topsoil, store on site for reuse	**7,444**	cy	8.00	59,552		
	Cut/fill	**42,000**	cy	6.00	252,000		
	Fine grading	**28,947**	sy	0.50	14,474		
	Silt fence/erosion control (allowance)	**2,900**	lf	12.00	34,800		
	Erosion Control monitoring & maintenance	**1**	ls	10,000.00	10,000		
	SUBTOTAL					$385,826	
G20	**SITE IMPROVEMENTS**						
	Roadways and Parking Lots						
	Bituminous concrete paving	*115,827*					
	gravel base; 12" thick	**4,290**	cy	35.00	150,150		
	bituminous concrete; 4" thick	**12,870**	sy	25.00	321,750		
	6"x18" granite curb	**7,760**	lf	32.00	248,320		
	Single solid lines, 4" thick	**135**	space	25.00	3,375		
	Wheelchair Parking	**10**	space	75.00	750		
	Crosswalk Hatching	**2**	loc	900.00	1,800		
	Other road markings	**1**	ls	7,500.00	7,500		
	HC curb cuts	**4**	loc	1,100.00	4,400		
	New entrance sign	**1**	ls	10,000.00	10,000		
	New traffic signs	**1**	ls	5,000.00	5,000		
	SUBTOTAL					$753,045	
	Pedestrian paving						
	Bituminous concrete paving	*10,000*	sf				
	gravel base; 12" thick	**370**	cy	35.00	12,950		
	bituminous concrete; 3" thick	**1,111**	sy	28.00	31,108		
	Concrete Pavers						
	Concrete pavers						
	Precast concrete pavers	**10,500**	sf	16.00	168,000		
	gravel base; 8" thick	**261**	cy	35.00	9,135		
	dry pack; 2" thick	**62**	cy	22.00	1,364		
	concrete base; 4" thick	**10,500**	sf	5.00	52,500		
	Site Improvements						
	Bicycle racks	**10**	ea	800.00	8,000		
	45' Flag pole	**1**	loc	7,500.00	7,500		
	Flag pole base	**1**	loc	1,500.00	1,500		
	Ornamental trash/recycling receptacles	**10**	ea	800.00	8,000		
	Seating walls	**1**	ls	75,000.00	75,000		
	Segmented block retaining walls	**2,112**	sf	55.00	116,160		
	Dumpster enclosure	**100**	lf	60.00	6,000		
	Play surface	**3,333**	sf	16.00	53,328		
	Track surface	**6,666**	sf	8.00	53,328		
	Play equipment	**1**	ls	120,000.00	120,000		

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
SITEWORK OPTION 4A							
	Tennis Courts	***24,200***					
	Gravel base - 12" thick	**896**	cy	35.00	31,360		
	Tennis court surface - color coated acrylic over asphalt	**2,689**	sy	42.00	112,938		
	Nets and posts	**4**	courts	900.00	3,600		
	Vinyl CL Fencing; 10'	**643**	lf	55.00	35,365		
	Gate, single	**2**	ea	1,200.00	2,400		
	Landscaping & Plantings:						
	Spread existing amended topsoil @ seeded areas	**1,852**	cy	22.00	40,744		
	New seeded areas - L&S	**100,000**	sf	0.20	20,000		
	Trees	**17**	ea	1,000.00	17,000		
	Shrubs/plantings and Groundcover	**1**	ls	25,000.00	25,000		
	SUBTOTAL					$1,012,280	
G30	**CIVIL MECHANICAL UTILITIES**						
	Water supply						
	New fire DI piping; 8"	**260**	lf	80.00	20,800		
	New fire DI piping; 6"	**260**	lf	70.00	18,200		
	New fire hydrant	**2**	loc	2,600.00	5,200		
	FD connection	**1**	loc	2,000.00	2,000		
	Gate valves	**4**	loc	750.00	3,000		
	Connect to existing line (Wet Taps)	**1**	loc	5,000.00	5,000		
	Sanitary sewer						
	8" sewer	**300**	lf	48.00	14,400		
	Connect to existing	**1**	loc	1,500.00	1,500		
	6,000 gal grease trap	**1**	loc	12,000.00	12,000		
	SMH	**3**	loc	4,000.00	12,000		
	Storm Sewer						
	Allowance for stormwater management	**1**	ls	350,000.00	350,000		
	Gas and Telecom service						
	E&B trench for new lines, pipe and install by utilities						
	New gas service	**250**	lf	25.00	6,250		
	New telecom service	**250**	lf	25.00	6,250		
	SUBTOTAL					$456,600	
G40	**SITE ELECTRICAL**						
	Power						
	Tap main power source	**1**	ea	3,000.00	3,000		
	Primary ductbank	**250**	lf	65.00	16,250		
	Primary cabling				Utility company		
	Pad mounted transformer				Utility company		
	Transformer pad	**1**	ea	3,000.00	3,000		
	Secondary ductbank						
	Secondary ductbank cabling	**50**	lf	300.00	15,000		
	Generator ductbank						
	Generator ductbank	**50**	lf	250.00	12,500		
	Communications						
	Communications ductbank	**250**	lf	85.00	21,250		
	Site Lighting/Power						
	Site lighting, roadway, parking, pathways and landscaping	**1**	ls	60,000.00	60,000		
	SUBTOTAL					$131,000	
SUBTOTAL SITE DEVELOPMENT OPTION 4A							**$2,998,511**

Bourne Elementary Schools
Design Options
Bourne, MA

07-Mar-16

Feasibility Design Submission

GFA 34,886

CONSTRUCTION COST SUMMARY

	BUILDING SYSTEM		*SUB-TOTAL*	*TOTAL*	*$/SF*	*%*
OPTION 4B - NEW ADDITION TO ELEMENTARY SCHOOL						
A10	**FOUNDATIONS**					
	A1010	Standard Foundations	$579,426			
	A1020	Special Foundations	$0			
	A1030	Lowest Floor Construction	$475,946	**$1,055,372**	$30.25	11.1%
A20	**BASEMENT CONSTRUCTION**					
	A2010	Basement Excavation	$0			
	A2020	Basement Walls	$0	**$0**	$0.00	0.0%
B10	**SUPERSTRUCTURE**					
	B1010	Upper Floor Construction	$46,312			
	B1020	Roof Construction	$1,088,991	**$1,135,303**	$32.54	11.9%
B20	**EXTERIOR CLOSURE**					
	B2010	Exterior Walls	$774,333			
	B2020	Windows	$655,526			
	B2030	Exterior Doors	$58,541	**$1,488,400**	$42.66	15.6%
B30	**ROOFING**					
	B3010	Roof Coverings	$763,861			
	B3020	Roof Openings	$12,500	**$776,361**	$22.25	8.1%
C10	**INTERIOR CONSTRUCTION**					
	C1010	Partitions	$647,845			
	C1020	Interior Doors	$139,544			
	C1030	Specialties/Millwork	$244,852	**$1,032,241**	$29.59	10.8%
C20	**STAIRCASES**					
	C2010	Stair Construction	$42,000			
	C2020	Stair Finishes	$7,330	**$49,330**	$1.41	0.5%
C30	**INTERIOR FINISHES**					
	C3010	Wall Finishes	$174,430			
	C3020	Floor Finishes	$244,202			
	C3030	Ceiling Finishes	$244,202	**$662,834**	$19.00	6.9%
D10	**CONVEYING SYSTEMS**					
	D1010	Elevator	$90,000	**$90,000**	$2.58	0.9%
D20	**PLUMBING**					
	D20	Plumbing	$418,632	**$418,632**	$12.00	4.4%

Bourne Elementary Schools
Design Options
Bourne, MA

07-Mar-16

Feasibility Design Submission

GFA 34,886

CONSTRUCTION COST SUMMARY

OPTION 4B - NEW ADDITION TO ELEMENTARY SCHOOL

	BUILDING SYSTEM		*SUB-TOTAL*	*TOTAL*	*$/SF*	*%*
D30	**HVAC**					
	D30	HVAC	$1,255,896	**$1,255,896**	$36.00	13.2%
D40	**FIRE PROTECTION**					
	D40	Fire Protection	$156,987	**$156,987**	$4.50	1.6%
D50	**ELECTRICAL**					
	D5010	Complete System	$1,046,580	**$1,046,580**	$30.00	11.0%
E10	**EQUIPMENT**					
	E10	Equipment	$121,200	**$121,200**	$3.47	1.3%
E20	**FURNISHINGS**					
	E2010	Fixed Furnishings	$255,906			
	E2020	Movable Furnishings	NIC	**$255,906**	$7.34	2.7%
F10	**SPECIAL CONSTRUCTION**					
	F10	Special Construction	$0	**$0**	$0.00	0.0%
F20	**HAZMAT REMOVALS**					
	F2010	Building Elements Demolition	$0			
	F2020	Hazardous Components Abatement	$0	**$0**	$0.00	0.0%
	TOTAL DIRECT COST (Trade Costs)			***$9,545,042***	*$273.61*	*100.0%*

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
OPTION 4B - NEW ADDITION TO ELEMENTARY SCHOOL							
	GROSS FLOOR AREA CALCULATION						
	First Floor			34,346			
	Second Floor			540			
	TOTAL GROSS FLOOR AREA (GFA)					**34,886**	***sf***
A10	***FOUNDATIONS***						
A1010	**STANDARD FOUNDATIONS**						
	Strip footings - 3'-0" x 2'-0"						
	Excavation	**1,080**	cy	12.00	12,960		
	Store on site for reuse	**1,080**	cy	14.00	15,120		
	Backfill with new fill	**886**	cy	16.00	14,176		
	Formwork	**3,332**	sf	11.00	36,652		
	Re-bar, 10#/lf	**8,330**	lbs	1.20	9,996		
	Concrete material; 3,000 psi	**194**	cy	125.00	24,250		
	Placing concrete	**194**	cy	55.00	10,670		
	Foundation walls at exterior - 16" thick						
	Formwork	**6,664**	sf	12.50	83,300		
	Re-bar, 4#/sf	**13,328**	lbs	1.20	15,994		
	Concrete material; 4,000 psi	**151**	cy	135.00	20,385		
	Placing concrete	**151**	cy	65.00	9,815		
	Dampproofing foundation wall and footing	**4,998**	sf	1.90	NIC		
	Insulation to foundation walls; 2" thick	**3,332**	sf	2.50	8,330		
	Form shelf	**833**	lf	8.00	6,664		
	Thickened slab at interior load bearing walls						
	Excavation	**136**	cy	12.00	1,632		
	Store on site for reuse	**136**	cy	14.00	1,904		
	Backfill with new fill	**124**	cy	16.00	1,984		
	Formwork	**210**	sf	11.00	2,310		
	Re-bar, 10#/lf	**1,050**	lbs	1.20	1,260		
	Concrete material; 3,000 psi	**12**	cy	125.00	1,500		
	Placing concrete	**12**	cy	55.00	660		
	Exterior column footings, typical, 8' x 8' x 2'-0"						
	Excavation	**626**	cy	15.00	9,390		
	Store on site for reuse	**626**	cy	14.00	8,764		
	Backfill with new fill	**442**	cy	16.00	7,072		
	Formwork	**2,368**	sf	11.00	26,048		
	Re-bar,150/cy	**27,600**	lbs	1.20	33,120		
	Concrete material; 3,000 psi	**184**	cy	125.00	23,000		
	Placing concrete	**184**	cy	55.00	10,120		
	Set anchor bolts grout plates	**37**	ea	150.00	5,550		
	Interior column footings, typical, 9' x 9' x 2'-0"						
	Excavation	**456**	cy	15.00	6,840		
	Store on site for reuse	**456**	cy	14.00	6,384		
	Backfill with new fill	**311**	cy	16.00	4,976		
	Formwork	**1,656**	sf	11.00	18,216		
	Re-bar,150/cy	**17,250**	lbs	1.20	20,700		
	Concrete material; 3,000 psi	**145**	cy	125.00	18,125		
	Placing concrete	**145**	cy	55.00	7,975		
	Set anchor bolts grout plates	**23**	ea	150.00	3,450		
	Perimeter drainage system per geotech	**833**	lf	18.00	14,994		

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
OPTION 4B - NEW ADDITION TO ELEMENTARY SCHOOL							
	Allowance for foundations against existing building	**221**	lf	340.00	75,140		
	SUBTOTAL					579,426	
A1020	**SPECIAL FOUNDATIONS**						
	No Work in this section						
	SUBTOTAL						
A1030	**LOWEST FLOOR CONSTRUCTION**						
	New Slab on grade, 5" thick						
	Structural gravel fill, 8"	**848**	cy	30.00	25,440		
	Base course, 8" gravel	**848**	cy	35.00	29,680		
	Rigid insulation	**34,346**	sf	2.25	77,279		
	Vapor barrier	**34,346**	sf	0.75	25,760		
	Under slab drainage -allow	**34,346**	sf	2.50	85,865		
	Mesh reinforcing 15% lap	**39,498**	sf	0.80	31,598		
	Concrete - 5" thick	**561**	cy	125.00	70,125		
	Placing concrete	**561**	cy	45.00	25,245		
	Finishing and curing concrete	**34,346**	sf	1.50	51,519		
	Control joints - saw cut	**34,346**	sf	0.10	3,435		
	Miscellaneous						
	New Elevator pits	**1**	ea	25,000.00	25,000		
	New loading dock - allow	**1**	ls	20,000.00	20,000		
	Equipment pads - allow	**1**	ls	5,000.00	5,000		
	SUBTOTAL					475,946	
	TOTAL - FOUNDATIONS						**$1,055,372**
A20	***BASEMENT CONSTRUCTION***						
A2010	**BASEMENT EXCAVATION**						
	No items in this section						
	SUBTOTAL					-	
A2020	**BASEMENT WALLS**						
	No items in this section						
	SUBTOTAL					-	
	TOTAL - BASEMENT CONSTRUCTION						
B10	***SUPERSTRUCTURE***						
		12	lbs/sf				
B1010	**FLOOR CONSTRUCTION**	210	tns				
	Floor Structure - Steel:						
	Steel beams and columns; 13/SF	**4**	tns	3,400.00	13,600		
	Shear studs	**108**	ea	2.50	270		
	Floor Structure						
	3" Metal floor Deck	**540**	sf	4.00	2,160		
	WWF reinforcement	**621**	sf	0.80	497		
	Concrete Fill to metal deck; 5 1/4" Light weight	**9**	cy	170.00	1,530		
	Place and finish concrete	**540**	sf	2.00	1,080		
	Misc. perimeter angles	**833**	lf	25.00	20,825		
	Miscellaneous						
	Fire proofing to columns and beams	**540**	sf	2.50	1,350		

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
OPTION 4B - NEW ADDITION TO ELEMENTARY SCHOOL							
	Fire stopping floors	**1**	flrs	5,000.00	5,000		
	SUBTOTAL					46,312	
B1020	**ROOF CONSTRUCTION**						
	Roof Structure - Steel:						
	Steel beams/Joists; 12#/SF	**206**	tns	3,400.00	700,400		
	Roof Structure						
	3" Metal floor Deck @ roof	**23,046**	sf	4.00	92,184		
	Acoustic deck at gym, 3", type NA	**11,300**	sf	7.00	79,100		
	Roof Structure @ Mech Equipment/Low roof						
	WWF reinforcement	**9,315**	sf	0.80	7,452		
	Concrete Fill to metal deck; 5 1/4" Light weight	**129**	cy	170.00	21,930		
	Place and finish concrete	**8,100**	sf	3.00	24,300		
	Miscellaneous						
	Canopy framing - allow	**1**	ls	30,000.00	30,000		
	Roof screen framing - allow	**1,100**	sf	20.00	22,000		
	Fire proofing to columns, beams and deck	**34,346**	sf	3.25	111,625		
	SUBTOTAL					1,088,991	
	TOTAL - SUPERSTRUCTURE						**$1,135,303**
B20	***EXTERIOR CLOSURE***						
B2010	**EXTERIOR WALLS**	*9,707*	sf				
	Interior skin						
	8" metal stud backup	**5,819**	sf	8.00	46,552		
	Batt insulation in stud	**5,819**	sf	2.25	13,093		
	2 1/2" Rigid Insulation	**5,819**	sf	3.00	17,457		
	Air barrier	**5,819**	sf	6.00	34,914		
	Air barrier/flashing at windows	**1,325**	lf	7.00	9,275		
	Gypsum Sheathing	**5,819**	sf	2.75	16,002		
	Drywall lining to interior face of stud backup	**5,819**	sf	3.00	17,457		
	Interior skin @ Gym and stage						
	8" CMU backup	**3,888**	sf	22.00	85,536		
	2 1/2" Rigid Insulation	**3,888**	sf	3.00	11,664		
	Air barrier	**3,888**	sf	6.00	23,328		
	Premium for GF block	**3,888**	sf	5.00	19,440		
	Exterior skin						
	Brick veneer	**6,407**	sf	35.00	224,245		
	Metal panels	**3,300**	sf	60.00	198,000		
	Miscellaneous						
	Aluminum sign at main entrance	**1**	ls	10,000.00	10,000		
	Staging to exterior wall	**15,790**	sf	3.00	47,370		
	SUBTOTAL					774,333	
B2020	**WINDOWS**	*6,083*	sf				
	Curtainwall	**2,068**	sf	120.00	248,160		
	Premium for sunscreen and light shelf elements	**1**	ls	25,000.00	25,000		
	Windows/storefront	**4,015**	sf	85.00	341,275		
	Louvers (allowance)	**250**	sf	60.00	15,000		
	Backer rod & double sealant	**2,007**	lf	9.00	18,063		
	Wood blocking at openings	**2,007**	lf	4.00	8,028		
	SUBTOTAL					655,526	

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
OPTION 4B - NEW ADDITION TO ELEMENTARY SCHOOL							
B2030	**EXTERIOR DOORS**						
	Glazed entrance doors including frame and hardware; double door	**5**	pr	8,000.00	40,000		
	HM doors, frames and hardware- Double	**2**	pr	3,600.00	7,200		
	HM doors, frames and hardware- Single	**1**	ea	1,800.00	1,800		
	Coiling door at Loading dock	**1**	ls	7,500.00	7,500		
	Backer rod & double sealant	**157**	lf	9.00	1,413		
	Wood blocking at openings	**157**	lf	4.00	628		
	SUBTOTAL					58,541	
	TOTAL - EXTERIOR CLOSURE						**$1,488,400**
B30	***ROOFING***						
B3010	**ROOF COVERINGS**						
	Flat roofing						
	PVC roof membrane fully adhered	**34,346**	sf	7.50	257,595		
	Insulation	**34,346**	sf	6.00	206,076		
	1/2" dens-deck protection board	**34,346**	sf	2.00	68,692		
	Reinforced vapor barrier	**34,346**	sf	1.00	34,346		
	Rough blocking	**1,137**	lf	6.00	6,822		
	Miscellaneous Roofing						
	Canopies - allow	**300**	sf	75.00	22,500		
	Roof screens - allow	**1,100**	sf	50.00	55,000		
	Roof fascia/cornice	**1,137**	lf	90.00	102,330		
	Roof ladders	**1**	ls	3,000.00	3,000		
	Walk pads	**1**	ls	7,500.00	7,500		
	SUBTOTAL					763,861	
B3020	**ROOF OPENINGS**						
	Skylights, allow	**1**	ls	10,000.00	10,000		
	Roof hatch	**1**	loc	2,500.00	2,500		
	SUBTOTAL					12,500	
	TOTAL - ROOFING						**$776,361**
C10	***INTERIOR CONSTRUCTION***						
C1010	**PARTITIONS**						
	Reinforced masonry shear walls at Gymnasium & Stage	**3,120**	sf	23.00	71,760		
	Stairs/Elevator; 2 HR rated	**910**	sf	16.00	14,560		
	Corridors; GWB with 2 lyrs corridor side	**9,478**	sf	15.55	147,383		
	Demising; Metal stud w/ 2 layers gwb	**7,434**	sf	17.35	128,980		
	Partitions at Admin spaces, back of house etc.	**1,232**	sf	15.85	19,527		
	Sealants & caulking at partitions	**22,174**	sf	0.50	11,087		
	Rough blocking to partitions	**1,706**	lf	3.00	5,118		
	Glazed partitions/borrowed lights - allowance	**1**	ls	75,000.00	75,000		
	Miscellaneous partitions not yet shown	**34,886**	gsf	5.00	174,430		
	SUBTOTAL					647,845	
C1020	**INTERIOR DOORS**						
	Allowance for specialty doors, doors and hardware	**34,886**	gsf	4.00	139,544		
	SUBTOTAL					139,544	
C1030	**SPECIALTIES / MILLWORK**						

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
OPTION 4B - NEW ADDITION TO ELEMENTARY SCHOOL							
	Toilet Partitions and accessories	**34,886**	gsf	0.80	27,909		
	Backer panels in electrical closets	**1**	ls	1,000.00	1,000		
	Marker boards/tackboards in classrooms, offices, conference rooms, library and MP rooms; 20' tackboard w/ 8' markerboard in each Educational space	**34,886**	sf	1.00	34,886		
	Building directory	**1**	loc	3,000.00	3,000		
	Bronze dedication plaque	**1**	loc	2,500.00	2,500		
	Room Signs	**34,886**	gsf	0.40	13,954		
	Fire extinguisher cabinets	**12**	ea	350.00	4,200		
	Cubbies	**34,886**	gsf	0.80	27,909		
	Janitors Closet Accessories	**1**	ls	1,000.00	1,000		
	Shelving in storage rooms	**1**	ls	10,000.00	10,000		
	Staff mailboxes/casework	**1**	ls	5,000.00	5,000		
	Reception desk in Media - allowance	**1**	ls	20,000	20,000		
	Library shelving				F,F & E		
	Display cases	**1**	ls	15,000.00	15,000		
	Miscellaneous metals throughout building	**34,886**	sf	1.00	34,886		
	Miscellaneous sealants throughout building	**34,886**	sf	1.25	43,608		
	SUBTOTAL					244,852	
	TOTAL - INTERIOR CONSTRUCTION						**$1,032,241**
C20	***STAIRCASES***						
C2010	**STAIR CONSTRUCTION**						
	Stage stairs, wood	**2**	flts	5,000.00	10,000		
	Metal pan stair; egress stair	**1**	flt	30,000.00	30,000		
	Concrete fill to stairs	**1**	flt	2,000.00	2,000		
	SUBTOTAL					42,000	
C2020	**STAIR FINISHES**						
	High performance coating to stairs including all railings etc.	**1**	flt	3,000.00	3,000		
	Rubber tile at stairs - landings	**150**	sf	12.00	1,800		
	Rubber tile at stairs - treads & risers	**115**	lft	22.00	2,530		
	SUBTOTAL					7,330	
	TOTAL - STAIRCASES						**$49,330**
C30	***INTERIOR FINISHES***						
C3010	**WALL FINISHES**						
	Allowance for wall finishes	**34,886**	gsf	5.00	174,430		
	SUBTOTAL					174,430	
C3020	**FLOOR FINISHES**						
	Allowance for floor finishes	**34,886**	gsf	7.00	244,202		
	SUBTOTAL					244,202	
C3030	**CEILING FINISHES**						
	Allowance for ceiling finishes	**34,886**	sf	7.00	244,202		
	SUBTOTAL					244,202	
	TOTAL - INTERIOR FINISHES						**$662,834**
D10	***CONVEYING SYSTEMS***						

PM&C

Bourne Elementary Schools 07-Mar-16
Design Options
Bourne, MA

Feasibility Design Submission GFA 34,886

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
OPTION 4B - NEW ADDITION TO ELEMENTARY SCHOOL							
D1010	**ELEVATOR**						
	New elevator; 2 stop	**1**	ea	90,000.00	90,000		
	SUBTOTAL					90,000	
	TOTAL - CONVEYING SYSTEMS						**$90,000**
D20	***PLUMBING***						
D20	**PLUMBING, GENERALLY**						
	Plumbing; complete system	**34,886**	gsf	12.00	418,632		
	SUBTOTAL					418,632	
	TOTAL - PLUMBING						**$418,632**
D30	***HVAC***						
D30	**HVAC, GENERALLY**						
	HVAC complete system	**34,886**	gsf	36.00	1,255,896		
	SUBTOTAL					1,255,896	
	TOTAL - HVAC						**$1,255,896**
D40	***FIRE PROTECTION***						
D40	**FIRE PROTECTION, GENERALLY**						
	Sprinkler system	**34,886**	gsf	4.50	156,987		
	SUBTOTAL					156,987	
	TOTAL - FIRE PROTECTION						**$156,987**
D50	***ELECTRICAL***						
D5010	**COMPLETE ELECTRICAL SYSTEM**						
	Electrical system; complete	**34,886**	gsf	30.00	1,046,580		
	SUBTOTAL					1,046,580	
	TOTAL - ELECTRICAL						**$1,046,580**
E10	***EQUIPMENT***						
E10	**EQUIPMENT, GENERALLY**						
	Gym wall pads	**1**	ls	10,000.00	10,000		
	Basketball backstops; swing up; electric operated	**4**	ea	9,800.00	39,200		
	Gymnasium dividing net; electrically operated	**1**	loc	45,000.00	45,000		
	Volleyball net and standards	**1**	ea	2,000.00	2,000		
	Telescoping bleachers	**1**	ls	25,000.00	25,000		
	Theatrical Equipment Stage curtains, rigging and controls	**1**	ls	150,000.00	In Reno		
	Stage lighting and dimming	**1**	ls	75,000.00	In Reno		
	Food Service equipment	**1**	ls	350,000.00	In Reno		
	Electrically operated projection screens	**1**	loc	10,000.00	In Reno		
	AV Equipment (including Smartboards, Projectors, LED monitors, Digital information displays etc.)				FF+E		
	SUBTOTAL					121,200	
	TOTAL - EQUIPMENT						**$121,200**
E20	***FURNISHINGS***						

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
OPTION 4B - NEW ADDITION TO ELEMENTARY SCHOOL							
E2010	**FIXED FURNISHINGS**						
	Entry mats & frames - recessed with carpet/rubber strips	**500**	sf	45.00	22,500		
	Manual operated roller shades	**4,015**	sf	6.00	24,090		
	Counters, base cabinets, tall storage in classrooms and other rooms	**34,886**	gsf	6.00	209,316		
	SUBTOTAL					255,906	
E2020	**MOVABLE FURNISHINGS**						
	All movable furnishings to be provided and installed by owner						
	SUBTOTAL					NIC	
	TOTAL - FURNISHINGS						**$255,906**
F10	***SPECIAL CONSTRUCTION***						
F10	**SPECIAL CONSTRUCTION**						
	No Work in this section						
	SUBTOTAL						
	TOTAL - SPECIAL CONSTRUCTION						
F20	***SELECTIVE BUILDING DEMOLITION***						
F2010	**BUILDING ELEMENTS DEMOLITION**						
	See main summary for demolition of existing buildings						
	SUBTOTAL						
F2020	**HAZARDOUS COMPONENTS ABATEMENT**						
	See main summary for HazMat allowance				See Summary		
	SUBTOTAL						
	TOTAL - SELECTIVE BUILDING DEMOLITION						

Bourne Elementary Schools 07-Mar-16
Design Options
Bourne, MA

Feasibility Design Submission GFA 37,557

CONSTRUCTION COST SUMMARY

	BUILDING SYSTEM		*SUB-TOTAL*	*TOTAL*	*$/SF*	*%*
OPTION 4B - RENOVATION TO ELEMENTARY SCHOOL						
A10	**FOUNDATIONS**					
	A1010	Standard Foundations	$0			
	A1020	Special Foundations	$0			
	A1030	Lowest Floor Construction	$61,659	**$61,659**	$1.64	0.7%
A20	**BASEMENT CONSTRUCTION**					
	A2010	Basement Excavation	$0			
	A2020	Basement Walls	$0	**$0**	$0.00	0.0%
B10	**SUPERSTRUCTURE**					
	B1010	Upper Floor Construction	$76,250			
	B1020	Roof Construction	$100,000	**$176,250**	$4.69	1.9%
B20	**EXTERIOR CLOSURE**					
	B2010	Exterior Walls	$786,274			
	B2020	Windows	$826,825			
	B2030	Exterior Doors	$29,901	**$1,643,000**	$43.75	17.8%
B30	**ROOFING**					
	B3010	Roof Coverings	$1,164,460			
	B3020	Roof Openings	$2,500	**$1,166,960**	$31.07	12.7%
C10	**INTERIOR CONSTRUCTION**					
	C1010	Partitions	$676,026			
	C1020	Interior Doors	$150,228			
	C1030	Specialties/Millwork	$241,236	**$1,067,490**	$28.42	11.6%
C20	**STAIRCASES**					
	C2010	Stair Construction	$10,000			
	C2020	Stair Finishes	$7,330	**$17,330**	$0.46	0.2%
C30	**INTERIOR FINISHES**					
	C3010	Wall Finishes	$187,785			
	C3020	Floor Finishes	$262,899			
	C3030	Ceiling Finishes	$262,899	**$713,583**	$19.00	7.7%
D10	**CONVEYING SYSTEMS**					
	D1010	Elevator	$0	**$0**	$0.00	0.0%
D20	**PLUMBING**					
	D20	Plumbing	$450,684	**$450,684**	$12.00	4.9%

Bourne Elementary Schools 07-Mar-16
Design Options
Bourne, MA

Feasibility Design Submission GFA 37,557

CONSTRUCTION COST SUMMARY

OPTION 4B - RENOVATION TO ELEMENTARY SCHOOL

	BUILDING SYSTEM		*SUB-TOTAL*	*TOTAL*	*$/SF*	*%*
D30	**HVAC**					
	D30	HVAC	$1,352,052	**$1,352,052**	$36.00	14.7%
D40	**FIRE PROTECTION**					
	D40	Fire Protection	$225,342	**$225,342**	$6.00	2.4%
D50	**ELECTRICAL**					
	D5010	Complete System	$1,126,710	**$1,126,710**	$30.00	12.2%
E10	**EQUIPMENT**					
	E10	Equipment	$585,000	**$585,000**	$15.58	6.3%
E20	**FURNISHINGS**					
	E2010	Fixed Furnishings	$279,222			
	E2020	Movable Furnishings	NIC	**$279,222**	$7.43	3.0%
F10	**SPECIAL CONSTRUCTION**					
	F10	Special Construction	$0	**$0**	$0.00	0.0%
F20	**HAZMAT REMOVALS**					
	F2010	Building Elements Demolition	$348,000			
	F2020	Hazardous Components Abatement	$0	**$348,000**	$9.27	3.8%
	TOTAL DIRECT COST (Trade Costs)			***$9,213,282***	*$245.31*	*100.0%*

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
OPTION 4B - RENOVATION TO ELEMENTARY SCHOOL							
	GROSS FLOOR AREA CALCULATION						
	First Floor			20,553			
	Second Floor			17,004			
	TOTAL GROSS FLOOR AREA (GFA)				**37,557** ***sf***		
A10	***FOUNDATIONS***						
A1010	**STANDARD FOUNDATIONS**						
	No Work in this section						
	SUBTOTAL					-	
A1020	**SPECIAL FOUNDATIONS**						
	No Work in this section						
	SUBTOTAL						
A1030	**LOWEST FLOOR CONSTRUCTION**						
	Allowance for patching of existing slabs disturbed by new work	**20,553**	sf	3.00	61,659		
	Miscellaneous						
	New Elevator pits	**1**	ea	25,000.00	In Addition		
	New loading dock - allow	**1**	ls	20,000.00	In Addition		
	Equipment pads - allow	**1**	ls	5,000.00	In Addition		
	SUBTOTAL					61,659	
	TOTAL - FOUNDATIONS						**$61,659**
A20	***BASEMENT CONSTRUCTION***						
A2010	**BASEMENT EXCAVATION**						
	No items in this section						
	SUBTOTAL					-	
A2020	**BASEMENT WALLS**						
	No items in this section						
	SUBTOTAL					-	
	TOTAL - BASEMENT CONSTRUCTION						
B10	***SUPERSTRUCTURE***						
B1010	**FLOOR CONSTRUCTION**						
	Allowance for gym floor joist seismic connections	**75**	loc	750.00	56,250		
	New penetrations to existing structure	**1**	ls	15,000.00	15,000		
	Fire stopping floors	**1**	flrs	5,000.00	5,000		
	SUBTOTAL					76,250	
B1020	**ROOF CONSTRUCTION**						
	Allowance for snow drift upgrades	**1**	ls	100,000.00	100,000		
	SUBTOTAL					100,000	
	TOTAL - SUPERSTRUCTURE						**$176,250**
B20	***EXTERIOR CLOSURE***						

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
OPTION 4B - RENOVATION TO ELEMENTARY SCHOOL							
B2010	**EXTERIOR WALLS**	*10,222*	sf				
	Interior skin						
	Allowance to insulate exterior	**10,222**	sf	8.00	81,776		
	Exterior skin						
	Allowance to remove and replace existing brickwork	**10,222**	sf	45.00	459,990		
	Miscellaneous						
	New lintels and relieving angles	**10,222**	sf	10.00	102,220		
	Demolition/ create opes/ tie in at existing exterior closure @ connection to new additions	**3,514**	sf	25.00	87,850		
	Staging to exterior wall	**18,146**	sf	3.00	54,438		
	SUBTOTAL					786,274	
B2020	**WINDOWS**	*7,924*	sf				
	Curtainwall replace existing	**2,694**	sf	120.00	323,280		
	Premium for sunscreen and light shelf elements	**1**	ls	25,000.00	25,000		
	Windows/storefront replace existing	**5,230**	sf	85.00	444,550		
	Backer rod & double sealant	**2,615**	lf	9.00	23,535		
	Wood blocking at openings	**2,615**	lf	4.00	10,460		
	SUBTOTAL					826,825	
B2030	**EXTERIOR DOORS**						
	Glazed entrance doors including frame and hardware; double door	**2**	pr	8,000.00	16,000		
	HM doors, frames and hardware- Double	**1**	pr	3,600.00	3,600		
	HM doors, frames and hardware- Single	**1**	ea	1,800.00	1,800		
	Coiling door at Loading dock	**1**	ls	7,500.00	7,500		
	Backer rod & double sealant	**77**	lf	9.00	693		
	Wood blocking at openings	**77**	lf	4.00	308		
	SUBTOTAL					29,901	
	TOTAL - EXTERIOR CLOSURE						**$1,643,000**
B30	***ROOFING***						
B3010	**ROOF COVERINGS**						
	Flat roofing						
	Remove existing roof membrane down to insulation	**24,664**	sf	3.00	73,992		
	New standing seam metal roofing	**24,664**	sf	26.00	641,264		
	Insulation; nailable	**24,664**	sf	11.00	271,304		
	1/2" dens-deck protection board	**24,664**	sf	2.00	49,328		
	Reinforced vapor barrier	**24,664**	sf	1.00	24,664		
	Rough blocking	**973**	lf	6.00	5,838		
	Miscellaneous Roofing						
	Roof fascia/cornice	**973**	lf	90.00	87,570		
	Roof ladders	**1**	ls	3,000.00	3,000		
	Walk pads	**1**	ls	7,500.00	7,500		
	SUBTOTAL					1,164,460	
B3020	**ROOF OPENINGS**						
	Roof hatch	**1**	loc	2,500.00	2,500		
	SUBTOTAL					2,500	
	TOTAL - ROOFING						**$1,166,960**

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
OPTION 4B - RENOVATION TO ELEMENTARY SCHOOL							
C10	***INTERIOR CONSTRUCTION***						
C1010	**PARTITIONS**						
	Allowance to modify/replace existing partitions	**37,557**	sf	18.00	676,026		
	SUBTOTAL					676,026	
C1020	**INTERIOR DOORS**						
	Allowance for specialty doors, doors and hardware	**37,557**	gsf	4.00	150,228		
	SUBTOTAL					150,228	
C1030	**SPECIALTIES / MILLWORK**						
	Toilet Partitions and accessories	**37,557**	gsf	0.80	30,046		
	Backer panels in electrical closets	**1**	ls	1,000.00	1,000		
	Marker boards/tackboards in classrooms, offices, conference rooms, library and MP rooms; 20' tackboard w/ 8' markerboard in each Educational space	**37,557**	sf	1.00	37,557		
	Building directory	**1**	loc	3,000.00	In Addition		
	Bronze dedication plaque	**1**	loc	2,500.00	In Addition		
	Room Signs	**37,557**	gsf	0.40	15,023		
	Fire extinguisher cabinets	**13**	ea	350.00	4,550		
	Corridor Lockers	**37,557**	gsf	1.00	37,557		
	Janitors Closet Accessories	**1**	ls	1,000.00	1,000		
	Shelving in storage rooms	**1**	ls	10,000.00	10,000		
	Staff mailboxes/casework	**1**	ls	5,000.00	5,000		
	Reception desk in Media - allowance	**1**	ls	20,000	In Addition		
	Library shelving				F,F & E		
	Display cases	**1**	ls	15,000.00	15,000		
	Miscellaneous metals throughout building	**37,557**	sf	1.00	37,557		
	Miscellaneous sealants throughout building	**37,557**	sf	1.25	46,946		
	SUBTOTAL					241,236	
	TOTAL - INTERIOR CONSTRUCTION						**$1,067,490**
C20	***STAIRCASES***						
C2010	**STAIR CONSTRUCTION**						
	Metal pan stair; egress stair; modify existing	**1**	flt	10,000.00	10,000		
	Concrete fill to stairs	**1**	flt	2,000.00	NIC		
	SUBTOTAL					10,000	
C2020	**STAIR FINISHES**						
	High performance coating to stairs including all railings etc.	**1**	flt	3,000.00	3,000		
	Rubber tile at stairs - landings	**150**	sf	12.00	1,800		
	Rubber tile at stairs - treads & risers	**115**	lft	22.00	2,530		
	SUBTOTAL					7,330	
	TOTAL - STAIRCASES						**$17,330**
C30	***INTERIOR FINISHES***						
C3010	**WALL FINISHES**						
	Allowance for wall finishes	**37,557**	gsf	5.00	187,785		
	SUBTOTAL					187,785	
C3020	**FLOOR FINISHES**						
	Allowance for floor finishes	**37,557**	gsf	7.00	262,899		

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
OPTION 4B - RENOVATION TO ELEMENTARY SCHOOL							
	SUBTOTAL					262,899	
C3030	**CEILING FINISHES**						
	Allowance for ceiling finishes	**37,557**	sf	7.00	262,899		
	SUBTOTAL					262,899	
	TOTAL - INTERIOR FINISHES						**$713,583**
D10	***CONVEYING SYSTEMS***						
D1010	**ELEVATOR**						
	New elevator; 2 stop	**1**	ea	90,000.00	In Addition		
	SUBTOTAL					-	
	TOTAL - CONVEYING SYSTEMS						
D20	***PLUMBING***						
D20	**PLUMBING, GENERALLY**						
	Plumbing; complete system	**37,557**	gsf	12.00	450,684		
	SUBTOTAL					450,684	
	TOTAL - PLUMBING						**$450,684**
D30	***HVAC***						
D30	**HVAC, GENERALLY**						
	HVAC complete system	**37,557**	gsf	36.00	1,352,052		
	SUBTOTAL					1,352,052	
	TOTAL - HVAC						**$1,352,052**
D40	***FIRE PROTECTION***						
D40	**FIRE PROTECTION, GENERALLY**						
	Sprinkler system	**37,557**	gsf	6.00	225,342		
	SUBTOTAL					225,342	
	TOTAL - FIRE PROTECTION						**$225,342**
D50	***ELECTRICAL***						
D5010	**COMPLETE ELECTRICAL SYSTEM**						
	Electrical system; complete	**37,557**	gsf	30.00	1,126,710		
	SUBTOTAL					1,126,710	
	TOTAL - ELECTRICAL						**$1,126,710**
E10	***EQUIPMENT***						
E10	**EQUIPMENT, GENERALLY**						
	Gym wall pads	**1**	ls	10,000.00	In Addition		
	Basketball backstops; swing up; electric operated	**4**	ea	9,800.00	In Addition		
	Gymnasium dividing net; electrically operated	**1**	loc	45,000.00	In Addition		
	Volleyball net and standards	**1**	ea	2,000.00	In Addition		
	Telescoping bleachers	**1**	ls	25,000.00	In Addition		
	Theatrical Equipment Stage curtains, rigging and controls	**1**	ls	150,000.00	150,000		
	Stage lighting and dimming	**1**	ls	75,000.00	75,000		

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
OPTION 4B - RENOVATION TO ELEMENTARY SCHOOL							
	Food Service equipment	**1**	ls	350,000.00	350,000		
	Electrically operated projection screens	**1**	loc	10,000.00	10,000		
	AV Equipment (including Smartboards, Projectors, LED monitors, Digital information displays etc.)				FF+E		
	SUBTOTAL					585,000	
	TOTAL - EQUIPMENT						**$585,000**
E20	***FURNISHINGS***						
E2010	**FIXED FURNISHINGS**						
	Entry mats & frames - recessed with carpet/rubber strips	**500**	sf	45.00	22,500		
	Manual operated roller shades	**5,230**	sf	6.00	31,380		
	Counters, base cabinets, tall storage in classrooms and other rooms	**37,557**	gsf	6.00	225,342		
	SUBTOTAL					279,222	
E2020	**MOVABLE FURNISHINGS**						
	All movable furnishings to be provided and installed by owner						
	SUBTOTAL					NIC	
	TOTAL - FURNISHINGS						**$279,222**
F10	***SPECIAL CONSTRUCTION***						
F10	**SPECIAL CONSTRUCTION**						
	No Work in this section						
	SUBTOTAL						
	TOTAL - SPECIAL CONSTRUCTION						
F20	***SELECTIVE BUILDING DEMOLITION***						
F2010	**BUILDING ELEMENTS DEMOLITION**						
	Extensive demolition of renovation areas; finishes, doors, MEP systems, casework and specialties	**37,557**	sf	8.00	300,456		
	Demo of exterior windows	**7,924**	sf	6.00	47,544		
	Demo of roof included in Divisions above						
	See main summary for demolition of existing buildings						
	SUBTOTAL					348,000	
F2020	**HAZARDOUS COMPONENTS ABATEMENT**						
	See main summary for HazMat allowance				See Summary		
	SUBTOTAL						
	TOTAL - SELECTIVE BUILDING DEMOLITION						**$348,000**

PM&C

Bourne Elementary Schools
Design Options
Bourne, MA

07-Mar-16

Feasibility Design Submission

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
SITEWORK OPTION 4B							
	G SITEWORK						
G10	**SITE PREPARATION & DEMOLITION**						
	Site Demolitions and Relocations						
	Site construction fence	**2,900**	lf	14.00	40,600		
	Pavement/curbing removal - grind up asphalt to reuse	**116,200**	sf	0.80	92,960		
	Remove and dispose walkways	**1**	ls	10,000.00	10,000		
	Remove and dispose tennis courts	**25,600**	sf	2.00	51,200		
	Tree removal	**1**	ls	20,000.00	20,000		
	Misc. Tree Protection	**1**	ls	5,000.00	5,000		
	Remove and dispose of existing drainage structures and utilities	**1**	ls	40,000.00	40,000		
	SUBTOTAL					$259,760	
	Site Earthwork						
	Construction entrances/wheel washes (allowance)	**1**	loc	15,000.00	15,000		
	Strip topsoil, store on site for reuse	**7,444**	cy	8.00	59,552		
	Cut/fill	**33,333**	cy	6.00	199,998		
	Fine grading	**28,485**	sy	0.50	14,243		
	Silt fence/erosion control (allowance)	**2,900**	lf	12.00	34,800		
	Erosion Control monitoring & maintenance	**1**	ls	10,000.00	10,000		
	Hazardous Waste Remediation						
	Removal of UST and propane tanks	**1**	ls	50,000.00	50,000		
	SUBTOTAL					$383,593	
G20	**SITE IMPROVEMENTS**						
	Roadways and Parking Lots						
	Bituminous concrete paving	*114,163*					
	gravel base; 12" thick	**4,228**	cy	35.00	147,980		
	bituminous concrete; 4" thick	**12,685**	sy	25.00	317,125		
	6"x18" granite curb	**5,919**	lf	32.00	189,408		
	Single solid lines, 4" thick	**150**	space	25.00	3,750		
	Wheelchair Parking	**10**	space	75.00	750		
	Crosswalk Hatching	**2**	loc	900.00	1,800		
	Other road markings	**1**	ls	7,500.00	7,500		
	HC curb cuts	**4**	loc	1,100.00	4,400		
	New entrance sign	**1**	ls	10,000.00	10,000		
	New traffic signs	**1**	ls	5,000.00	5,000		
	SUBTOTAL					$687,713	
	Pedestrian paving						
	Bituminous concrete paving	*10,000*	sf				
	gravel base; 12" thick	**370**	cy	35.00	12,950		
	bituminous concrete; 3" thick	**1,111**	sy	28.00	31,108		
	Concrete Pavers						
	Concrete pavers						
	Precast concrete pavers	**8,000**	sf	16.00	128,000		
	gravel base; 8" thick	**199**	cy	35.00	6,965		
	dry pack; 2" thick	**47**	cy	22.00	1,034		
	concrete base; 4" thick	**8,000**	sf	5.00	40,000		
	Site Improvements						
	Bicycle racks	**10**	ea	800.00	8,000		
	45' Flag pole	**1**	loc	7,500.00	7,500		
	Flag pole base	**1**	loc	1,500.00	1,500		
	Ornamental trash/recycling receptacles	**10**	ea	800.00	8,000		
	Seating walls	**1**	ls	75,000.00	75,000		
	Segmented block retaining walls	**3,000**	sf	55.00	165,000		
	Dumpster enclosure	**100**	lf	60.00	6,000		
	Play surface	**3,333**	sf	16.00	53,328		

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
SITEWORK OPTION 4B							
	Track surface	**6,666**	sf	5.00	33,330		
	Play equipment	**1**	ls	120,000.00	120,000		
	Tennis Courts	*24,200*					
	Gravel base - 12" thick	**896**	cy	35.00	31,360		
	Tennis court surface - color coated acrylic over asphalt	**2,689**	sy	42.00	112,938		
	Nets and posts	**4**	courts	900.00	3,600		
	Vinyl CL Fencing; 10'	**643**	lf	55.00	35,365		
	Gate, single	**2**	ea	1,200.00	2,400		
	Landscaping & Plantings:						
	Spread existing amended topsoil @ seeded areas	**1,852**	cy	22.00	40,744		
	New seeded areas - L&S	**100,000**	sf	0.20	20,000		
	Trees	**17**	ea	1,000.00	17,000		
	Shrubs/plantings and Groundcover	**1**	ls	25,000.00	25,000		
	SUBTOTAL					$986,122	
G30	**CIVIL MECHANICAL UTILITIES**						
	Water supply						
	New fire DI piping; 8"	**260**	lf	80.00	20,800		
	New fire DI piping; 6"	**260**	lf	70.00	18,200		
	New fire hydrant	**2**	loc	2,600.00	5,200		
	FD connection	**1**	loc	2,000.00	2,000		
	Gate valves	**4**	loc	750.00	3,000		
	Connect to existing line (Wet Taps)	**1**	loc	5,000.00	5,000		
	Sanitary sewer						
	8" sewer	**300**	lf	48.00	14,400		
	Connect to existing	**1**	loc	1,500.00	1,500		
	6,000 gal grease trap	**1**	loc	12,000.00	12,000		
	SMH	**3**	loc	4,000.00	12,000		
	Storm Sewer						
	Allowance for stormwater management	**1**	ls	350,000.00	350,000		
	Gas and Telecom service						
	E&B trench for new lines, pipe and install by utilities						
	New gas service	**250**	lf	25.00	6,250		
	New telecom service	**250**	lf	25.00	6,250		
	SUBTOTAL					$456,600	
G40	**SITE ELECTRICAL**						
	Power						
	Tap main power source	**1**	ea	3,000.00	3,000		
	Primary ductbank	**250**	lf	65.00	16,250		
	Primary cabling				Utility company		
	Pad mounted transformer				Utility company		
	Transformer pad	**1**	ea	3,000.00	3,000		
	Secondary ductbank						
	Secondary ductbank cabling	**50**	lf	300.00	15,000		
	Generator ductbank						
	Generator ductbank	**50**	lf	250.00	12,500		
	Communications						
	Communications ductbank	**250**	lf	85.00	21,250		
	Site Lighting/Power						
	Site lighting, roadway, parking, pathways and landscaping	**1**	ls	60,000.00	60,000		
	SUBTOTAL					$131,000	
SUBTOTAL SITE DEVELOPMENT OPTION 4B							**$2,904,788**

Bourne Public Schools

36 Sandwich Road
Bourne, MA 02532
508.759.0660
508.759.1107 (fax)
www.bourneps.org

Steven M. Lamarche
Superintendent
slamarche@bourneps.org

Melissa Coelho
Executive Assistant
mcoelho@bourneps.org

March 16, 2016

Massachusetts School Building Authority
40 Broad Street, Suite 500
Boston, MA 02109
www.MassSchoolBuilding.org

Attn: Ms. Christina Forde
Project Manager
Christina.Forde@MassSchoolBuilding.org

RE: Additional Study Enrollment Request

As a result of our extensive outreach to the community, the town finance committee, the town capital outlay committee, board of selectman and our ongoing educational meetings with the school committee, school staff, parents, community members and our leadership team, I am writing the Massachusetts School Building Authority (MSBA) to request consideration for an additional fifth design study enrollment for the Peebles School project.

This option is specific to the redistricting of grade spans within the initial enrollment requests already established and provided by the MSBA, therefore, we believe that the emergence of this fifth option is technically within the scope of our current design enrollment options. Our request of support for a fifth design enrollment study specific to the redistricting of grade spans is for a Peebles all grade 3-5 option. As a result we would redistrict all K-2 students to attend the Bournedale Elementary School and students in grade 6-8 would remain at Bourne Middle School.

This request is a direct result of community input and requires our due diligence as we continue to enlist community support for the Peebles School project. As a district leadership team we put forth great effort to establish the educational benefits and concerns of this request with Flansburgh Architects and our educational consultant New Vista Design. Please find the results attached to this letter for your review and in support of said request.

We continue to acknowledge and share MSBA's desire to maintain clarity and the integrity of the Study Enrollment Certification for design options. We are collectively aware of where we are in the process and our current timeline for the selection of a Preferred Schematic Report.

In conclusion, we respectfully appreciate your consideration and believe that this fifth option to our study enrollment supports the needs of the district and the desires of the Bourne community at large.

With respect,

Steven M. Lamarche

C: Bourne School Building Committee
Joel Seeley, OPM SMMA
Kent Kovacs, Principle-in-Charge Flansburgh Architects

Attachment (1)

Peebles Elementary School

Educational Leadership Team

Visioning Workshop Four Notes March 16, 2016

Benefits of District-Wide (K-2, 3-5, 6-8) Strategy

PreK-2

a. Aligns with frameworks
b. Every building district-wide
c. Grade level equity/transitions for all levels
d. Start and stay as your graduating class (no merging)
e. Earlier integration of students improves school/town identity
f. More focused/natural transition for ILCs
g. More focused and age appropriate enrichment
h. More opportunities for curricular integration and looping
i. Grade level equity and collaboration
j. Less age difference on student buses
k. Increased horizontal and vertical alignment
l. More targeted population for building based specialists
m. More balanced classrooms (size and academic need)
n. Space size more appropriate (i.e. gym)
o. Better teacher-student/matches
p. Full-day K – universal
q. Early Childhood Center – Community Outreach
r. Increased sense of small community
s. More focused, tiered instruction (RTI)
t. More focused socio-emotional instruction
u. More possibilities to create new spaces/more innovative use of space

Grades 3-5

a. Aligns with frameworks
b. Every building district-wide
c. Grade level equity/transitions for all levels
d. Start and stay as your graduating class (no merging)
e. Earlier integration of students improves school/town identity
f. More focused/natural transition for ILCs
g. More focused and age appropriate enrichment
h. More opportunities for curricular integration and looping
i. Grade level equity and collaboration

j. Less age difference on student buses
k. Increased horizontal and vertical alignment
l. More targeted population for building based specialists
m. More balanced classrooms (size and academic need)
n. Space size more appropriate (i.e. gym)
o. Better teacher-student/matches
p. Increased sense of small community
q. More focused, tiered instruction (RTI)
r. More focused socio-emotional instruction
s. More possibilities to create new spaces/more innovative use of space
t. Puts Grade 5 in elementary
u. Easier transition to middle school
v. Maintains student access to campus resources

Grades 6-8

a. Aligns with frameworks
b. Every building district-wide
c. Grade level equity/transitions for all levels
d. Start and stay as your graduating class (no merging)
e. Earlier integration of students improves school/town identity
f. Appropriate grade-level identity
g. More focused/natural transition for ILCs
h. More focused and age appropriate enrichment
i. More opportunities for curricular integration and looping
j. Grade level equity and collaboration
k. Less age difference on student buses
l. Increased horizontal and vertical alignment
m. More targeted population for building based specialists
n. More balanced classrooms (size and academic need)
o. Space size more appropriate (i.e. gym)
p. Better teacher-student/matches
q. Increased sense of small community
r. More focused, tiered instruction (RTI)
s. More focused socio-emotional instruction
t. More possibilities to create new spaces/more innovative use of space
u. Puts Grade 5 in elementary
v. Easier transition to middle school
w. Maintains student access to campus resources
x. Increased curriculum, program and course offerings starting at Grade 6
y. Space for Maker Space/Innovation Studio in building

Concerns:

- Travel duration/distance
- Bus start times
- Staffing reconfiguration
- More families dealing with multiple buildings

Massachusetts School Building Authority

Deborah B. Goldberg
Chairman, State Treasurer

Maureen G. Valente
Chief Executive Officer

John K. McCarthy
Executive Director / Deputy CEO

March 24, 2016

Mr. Steven Lamarche, Superintendent
Bourne Public Schools
36 Sandwich Road
Bourne, MA 02532

Re: Town of Bourne, James F. Peebles Elementary School

Dear Superintendent Lamarche:

I would like to thank you and your team for continuing to work with the Massachusetts School Building Authority (the "MSBA") towards the most educationally appropriate and cost effective solution for the James F. Peebles Elementary School (the "Proposed Project" in the Town of Bourne (the "District"). This letter is a follow up to previous correspondence regarding the enrollment projections for the Proposed Project, and in particular, to your letter dated March 17, 2016 requesting an additional study enrollment recommendation for a potential project serving grades 3-5 at the James F. Peebles Elementary School.

A detailed explanation of the MSBA's base enrollment projection and adjustments for Bourne Public Schools, upon which a previously executed Study Enrollment Certification for the Proposed Project was based, was provided through previous correspondence. The MSBA's initial enrollment letter to the District dated December 11, 2014 identified a district-wide K-5 enrollment of 885 students with two additional study enrollment configurations, and the study certification was executed on December 16, 2014.

As requested by the District on November 16, 2015, an additional enrollment letter and study certification were sent to the District, which included an additional grade configuration for study purposes, and was executed by the District on November 18, 2015.

Per the District's additional request in the letter dated March 17, 2016, the MSBA is offering an additional study enrollment recommendation of 460 students for a potential project serving grades 3-5 at the Peebles Elementary School, for planning and study purposes.

Given that request by the District, attached please find an updated study enrollment certification that provides study enrollment recommendations as follows:

- District-wide Grades K-5 in one elementary school: 885 students
- District-wide Grades K-4 in one elementary school: 725 students
- Peebles Elementary School Grades K-4: 250 students
- Peebles Elementary School Grades K-4 and District-wide Grade 5: 410 students
- Peebles Elementary School Grades 3-5: 460 students

As stated in previous correspondence, the MSBA's study enrollment recommendations assume full utilization of all remaining school facilities. Accordingly, as part of the Feasibility Study, the District will be required to determine the enrollment capacity of each existing facility anticipated to remain in service. If grade reconfiguration and/or school consolidation has been determined to be the Preferred Solution, the District will also be required to demonstrate in the Preferred Schematic Report that any consolidation and/or reconfiguration proposed as the District's Preferred Solution has been approved by the School Committee and other necessary District officials. Further, the MSBA will require a written plan from the District describing the process for determining local support for potential grade reconfiguration and school closures. Upon approval of the District's Preferred Solution, the MSBA will forward a final design enrollment certification that is specific to the grade configuration associated with the approved Preferred Solution.

Please sign and return the attached study enrollment certification within 21 calendar days to confirm agreement on these enrollment figures.

If you have any questions, please do not hesitate to contact me or Katie DeCristofaro (Kathryn.DeCristofaro@MassSchoolBuildings.org) at 617-720-4466.

Sincerely,

Mary Pichetti

Mary Pichetti
Director of Capital Planning

Cc: Legislative Delegation
Stephen F. Mealy, Chair, Bourne Board of Selectmen
Thomas M. Guerino, Bourne Town Administrator
Christopher Hyldburg, Chair, Bourne School Committee
Edward Donoghue, Director of Business Services, Bourne Public Schools
James Potter, Chair, Bourne School Building Committee
Joel Seeley, Owner's Project Manager, Symmes Maini & McKee Associates
Kent Kovacs, Designer, Flansburgh Associates
File: 1.2 Enrollment Projections (Region 6)

MASSACHUSETTS SCHOOL BUILDING AUTHORITY

TOWN OF BOURNE
JAMES F. PEEBLES ELEMENTARY SCHOOL

STUDY ENROLLMENT CERTIFICATION

As a result of a collaborative analysis with the Massachusetts School Building Authority (the "MSBA") of enrollment projections and space capacity needs for the proposed project at the James F. Peebles Elementary School, the Town of Bourne hereby acknowledges and agrees that the design of preliminary options, which may be evaluated as part of the feasibility study for the proposed project at the James F. Peebles Elementary School shall be based in accordance with the following:

Study Enrollment Recommendations	
Enrollment for Grades K-5 at a District-wide Elementary School	885 students
Enrollment for Grades K-4 at a District-wide Elementary School	725 students
Enrollment for Grades K-4 at the James F. Peebles Elementary School including District-wide Grade 5	410 students
Enrollment for Grades K-4 at the James F. Peebles Elementary School	250 students
Enrollment for Grades 3-5 at the James F. Peebles Elementary School	460 students

The space allowance for each alternative evaluated shall assume no more than the enrollments as detailed in the table above. The Town of Bourne acknowledges and agrees that it has no right or entitlement to any particular study enrollment, square feet per student space allowance, or total square footage referenced in the table above for the preliminary options, and further acknowledges and agrees that it shall not bring any or action, legal or equitable, against the MSBA, or any of its officers or employees, for the purpose of obtaining an increase in the study enrollments of the James F. Peebles Elementary School that it has acknowledged and agreed herein. The Town of Bourne further acknowledges and agrees that the study enrollments presented herein are only applicable to the evaluation of preliminary options conducted as part of the feasibility study for the proposed James F. Peebles Elementary School project. Upon receipt of the Town of Bourne's recommendation of a Preferred Schematic Design for the proposed

James F. Peebles Elementary School project, and subject to the MSBA's review of such recommendation, the MSBA shall forward a final Design Enrollment Certification with a design enrollment specific to the recommended and approved Preferred Schematic Design, which shall supersede this certification.

The undersigned, for themselves and the Town of Bourne, hereby certify that they have read and understand the contents of this Study Enrollment Certification and that each of the above statements is true, complete and accurate. The undersigned hereby certify that they have been duly authorized by the appropriate governmental body to execute this Certification on behalf of the Town of Bourne and to bind the Town of Bourne to its terms.

_____	_____
Chief Executive Officer	Duly Authorized Representative of School Committee
_____	_____
Date	Date

_____

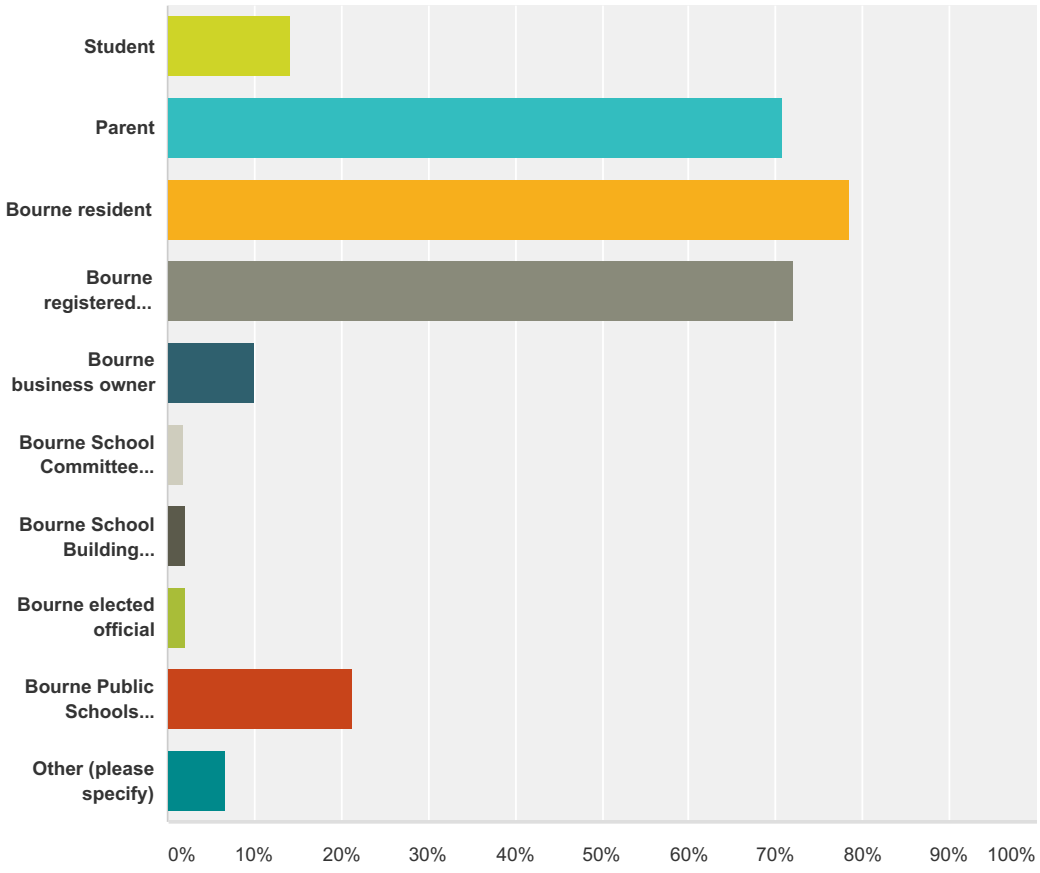
Superintendent of Schools

_____

Date

Q1 Please select all stakeholder groups that apply to you.

Answered: 437 Skipped: 1



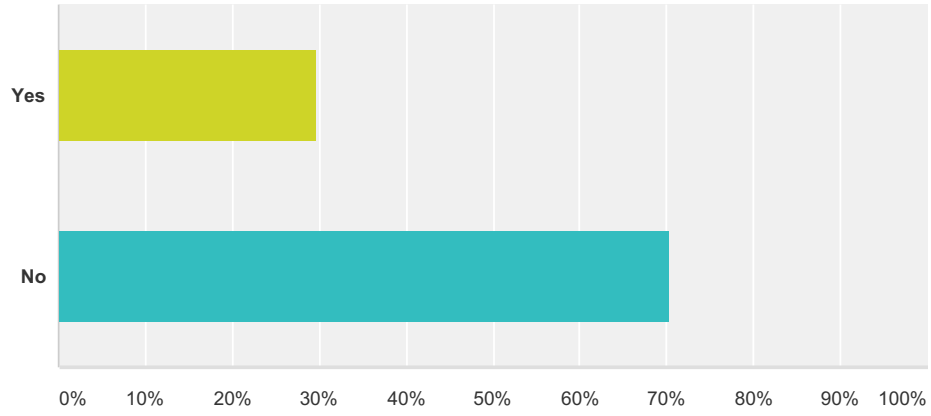
Answer Choices	Responses	
Student	**14.19%**	62
Parent	**70.71%**	309
Bourne resident	**78.49%**	343
Bourne registered voter	**72.08%**	315
Bourne business owner	**10.07%**	44
Bourne School Committee member	**1.83%**	8
Bourne School Building Committee member	**2.06%**	9
Bourne elected official	**2.06%**	9
Bourne Public Schools employee	**21.28%**	93
Other (please specify)	**6.64%**	29
Total Respondents: 437		

#	Other (please specify)	Date

1	My child attended BPS until this year when we chose to leave.	3/18/2016 7:58 PM
2	Grandparent of student	3/18/2016 7:32 PM
3	Grandparent of student	3/18/2016 5:55 PM
4	Worker at BHS	3/18/2016 5:39 PM
5	parent of private school student	3/18/2016 3:10 PM
6	Bourne home owner and business owner.	3/18/2016 3:01 PM
7	Family member of 3 students and Bourne resident	3/18/2016 11:15 AM
8	Grandparents of several children	3/18/2016 9:08 AM
9	Grandparent	3/17/2016 5:04 PM
10	Retired Bourne teacher	3/17/2016 10:43 AM
11	Finance Committee	3/16/2016 5:25 PM
12	Parent of Bourne graduates	3/16/2016 9:14 AM
13	Bourne Teacher	3/15/2016 5:11 PM
14	Bourne Recreation Committee member	3/15/2016 4:13 PM
15	Bourne TAXPAYER	3/14/2016 9:13 PM
16	public school teacher, 25 years	3/12/2016 9:05 PM
17	previous Bourne student	3/11/2016 6:59 PM
18	Retired Bourne teacher	3/11/2016 6:51 PM
19	Grandmother former public school teacher and admin.35years	3/11/2016 4:59 PM
20	Bourne PTA	3/11/2016 11:37 AM
21	Bus driver	3/11/2016 11:29 AM
22	Former student	3/11/2016 11:24 AM
23	Former Peebles Elementary Student (grades 1-3, 1983-1986)	3/11/2016 10:06 AM
24	Bourne town employee	3/11/2016 9:13 AM
25	Town employee and COA volunteer .	3/11/2016 8:50 AM
26	PTA	3/11/2016 8:43 AM
27	Fire department employee	3/11/2016 8:40 AM
28	Former school system administrator.	3/11/2016 8:24 AM
29	School Employee	2/25/2016 2:46 PM

Q2 Does the current Peebles Elementary School building hold sentimental value to you?

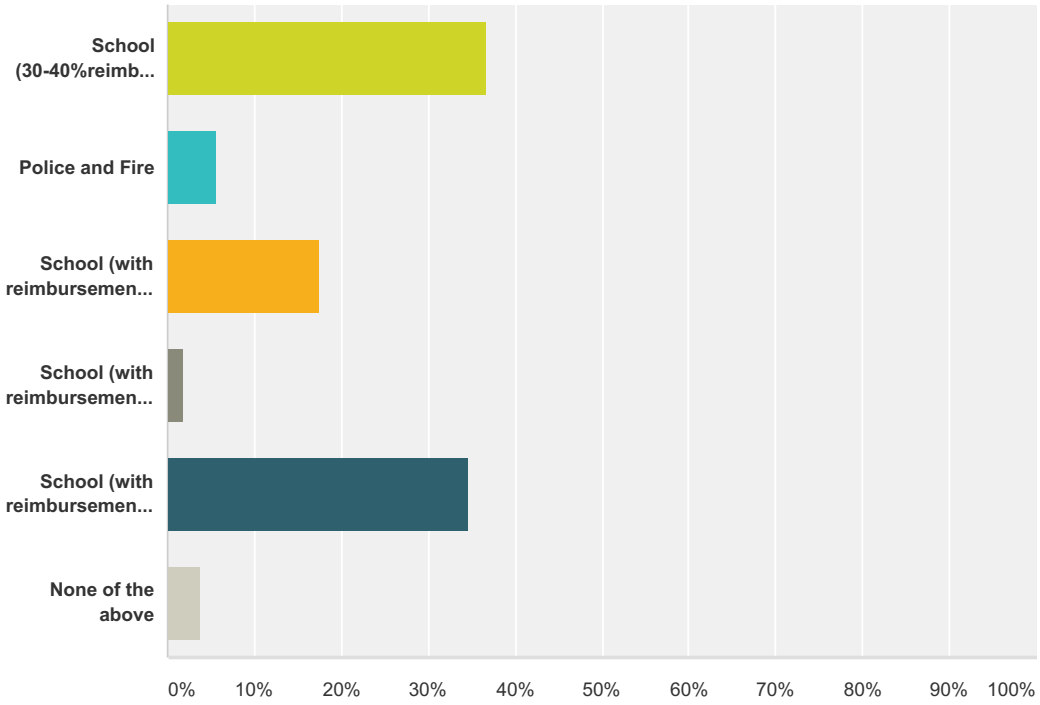
Answered: 435 Skipped: 3



Answer Choices	Responses	
Yes	**29.66%**	129
No	**70.34%**	306
Total		**435**

Q3 Please check one of the following Bourne Capital Projects you support as being the most needed.

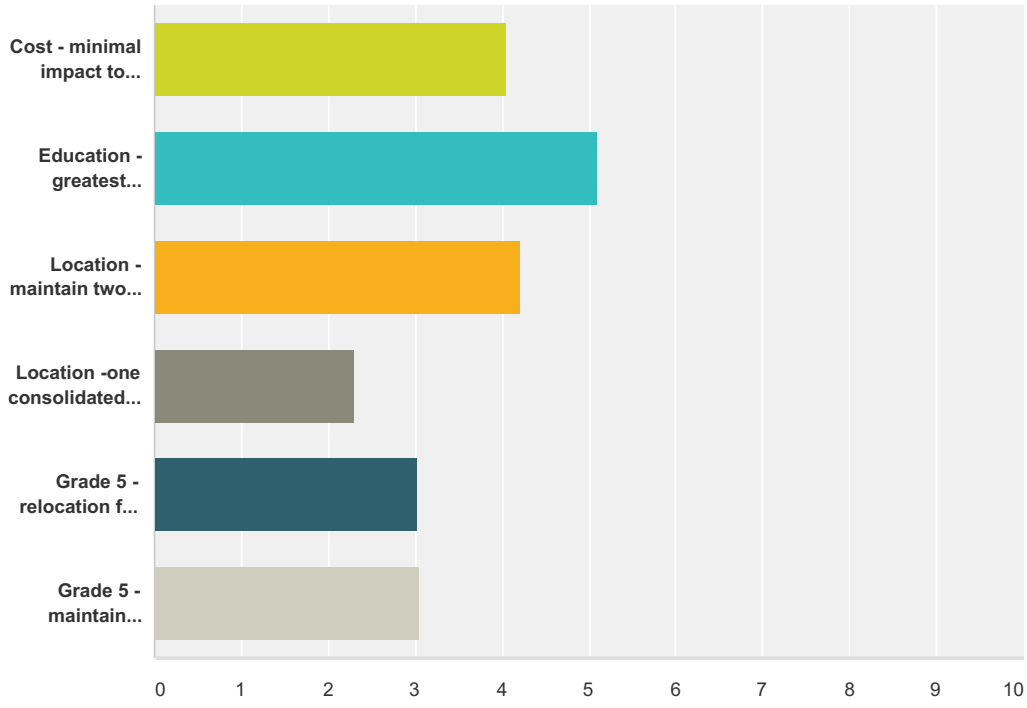
Answered: 431 Skipped: 7



Answer Choices	Responses	
School (30-40%reimbursement from a state grant)	**36.66%**	158
Police and Fire	**5.57%**	24
School (with reimbursement) and Police	**17.63%**	76
School (with reimbursement) and Fire	**1.86%**	8
School (with reimbursement), Police, and Fire	**34.57%**	149
None of the above	**3.71%**	16
Total		**431**

Q4 What is the most important consideration in the decision-making process for recommending a capital school building project to the Bourne Community for approval? Please rank the following priorities with 1 being the most important and 6 being the least important.

Answered: 428 Skipped: 10



	1	2	3	4	5	6	Total	Score
Cost - minimal impact to taxpayers	**16.33%** 57	**20.92%** 73	**30.66%** 107	**20.06%** 70	**6.30%** 22	**5.73%** 20	349	4.04
Education - greatest benefit to all learners	**46.67%** 154	**32.42%** 107	**11.82%** 39	**5.15%** 17	**1.52%** 5	**2.42%** 8	330	5.10
Location - maintain two elementary schools, one on each side of the Canal	**30.14%** 104	**22.03%** 76	**20.29%** 70	**7.54%** 26	**6.96%** 24	**13.04%** 45	345	4.22
Location -one consolidated PreK through grade 4 elementary school located at the Bournedale Elementary School	**6.31%** 21	**6.01%** 20	**7.51%** 25	**15.62%** 52	**19.52%** 65	**45.05%** 150	333	2.29
Grade 5 - relocation from Bourne Middle School to an elementary school setting	**11.05%** 41	**9.97%** 37	**15.90%** 59	**18.33%** 68	**23.18%** 86	**21.56%** 80	371	3.03
Grade 5 - maintain current grade 5 through grade 8 at the Bourne Middle School	**11.43%** 44	**8.05%** 31	**14.81%** 57	**22.34%** 86	**25.45%** 98	**17.92%** 69	385	3.04

Q5 Is there another important consideration that is not listed above? If so, please explain.

Answered: 108 Skipped: 330

#	Responses	Date
1	Need to consider current population and school enrollment for consideration of any future school plans. Must be flexible given population changes	3/19/2016 9:10 AM
2	I chose 1 for both Cost and Education. I keeps erasing them every time I make my next choice. I also think that if 5th grade will be removed from the middle school, it should be K-5 in both Elementary schools on each side of the bridge. The children in Bournedale shouldn't have to go to 3 different schools over the span of 3 years. Especially because of the side of the bridge they live on. It would be unnecessary anxiousness. Changing schools is tough enough on them. I understand it's part of growing up and they have to change schools. I also understand space possibly being an issue. If both Elementary schools can't hold grades K-5, then leave the middle school as is 5-8.	3/19/2016 2:36 AM
3	We should have two elementary schools	3/18/2016 8:10 PM
4	Why do anything when you can't guarantee safety as it is. Bullying and poor teaching in the BMS is so bad, many choose to leave.	3/18/2016 7:58 PM
5	Grade 8 in the high school Would solve a multitude of issues Works well as a parent of more than one student who was an 8th grader in the high school. It was an extremely positive experience for them.	3/18/2016 7:54 PM
6	Prefer fifth grade at middle school location	3/18/2016 7:54 PM
7	Please keep in mine the taxes to be maintained low.	3/18/2016 7:21 PM
8	Security should be the primary concern for a new school building followed by education. You have a responsibility to not only educate but to protect our children. Cost is the least important considerations in my opinion.	3/18/2016 4:59 PM
9	Jobs	3/18/2016 4:46 PM
10	Move 8th grade to high school, enough space in new school, quality building not cheap, large rooms, and lots of spaces to hold a class if another space is being used ie assemblies, room for specialists to have classroom space	3/18/2016 4:42 PM
11	Impact on current positions and educational resources that have been cut and where could this money be restored if changes occur with the elementary school population; i.e.If grade 5 returned to elementary schools, would this prove beneficial for the reduced middle school budget?	3/18/2016 4:41 PM
12	Yes, the grade five option sounds like it would be at both schools on the questions, but I heard that is false. Grade five should be a part of BOTH schools. Bournedale kids should not leave to go to peeples for fifth then middle for sixth.	3/18/2016 4:15 PM
13	Bridge Traffic is bad if the school is over the other side	3/18/2016 4:06 PM
14	As a parent on the cape side of the bridge with one kid in pre k at one school and another child in kindergarten at another school having one location would be better!	3/18/2016 4:06 PM
15	What's best for the children.tg	3/18/2016 3:53 PM
16	Not at this time	3/18/2016 3:42 PM
17	I believe that a huge consolidated elementary school would just be too big. Also, the bus rides for many children who would have to cross the bridge would be too long.	3/18/2016 3:29 PM
18	There should be 2 elementary schools in town for a few main reasons 1) convenience for students and parents. Go to school on the side of the bridge you live on 2)when the students all meet at the middle school, they meet a new group of students 3) it is great having a school "campus" Peebles students are able to use the Innovation Studio and the auditorium at the high school Middle school students are always volunteering their time to help at Peebles. They won't be able to do that if there is no longer and elementary school on "campus"	3/18/2016 3:23 PM
19	police station must come first. then maybe fire before another new school	3/18/2016 3:03 PM
20	We dont have the money...keep bourne, bourne not a new town	3/18/2016 3:03 PM

21	The new young amazing teachers at Bournedale elementary are freshly educated and offer our children new learning styles and updated ideas and they have to have job security if buildings merge. They also have integrity and respect for one another. I love the atmosphere. And Liz Carpenito sets that stage. She's incredible.	3/18/2016 3:01 PM
22	I do not want all the elementary children on one side of the bridge. Please keep 2 schools.	3/18/2016 2:58 PM
23	Consider turning the Bourne middle school and the Bournedale Elementary into k-6 schools and consider renovating the current high school to be a 7-12th grade ms/hs campus since that building is in poor shape. The 7th and 8th graders could have separate sections of the school - all part of 1 building, which cuts down operating costs and eventually a 2nd building project. Barnstable and Sandwich have this as do many other towns.	3/18/2016 8:17 AM
24	Small school size!	3/18/2016 7:25 AM
25	The amount of time that our youngest students would be on a bus each day. I feel that it would not be beneficial to their learning if students were expected to spend an extended time on the bus to and from school each day. (For example, students riding from Cataumet to Bournedale.) A longer time may be okay for a middle or high school student, but not for a 5 year old. Traffic is another important factor (which relates to the above consideration.) Friday traffic is heavy May through October. (I have even seen it bad in April.) Getting over the bridges is a nightmare! This will prolong time on the bus even more.	3/18/2016 7:15 AM
26	The 5th graders should stay in bourne middle school..	3/17/2016 9:08 PM
27	Keep our children close. Traffic in the summer. Emergencies. Sense of community.	3/17/2016 8:57 PM
28	Community space and elementary should stay on cape side.	3/17/2016 8:40 PM
29	Traffic	3/17/2016 8:37 PM
30	Traffic from bridge if only 1 school is a dumb idea, given the impact of traffic on parents and students.	3/17/2016 8:28 PM
31	Declining Bourne school graduating.	3/17/2016 7:58 PM
32	It's kind of ridiculous	3/17/2016 7:43 PM
33	I would like my kids to be on the cape side. Traffic is a nightmare. I don't want to be separated from my kids if there was an emergency and the bridges were closed.	3/17/2016 7:16 PM
34	Heavy traffic heading over the bridge toward the cape side on Fridays early spring until the last day of school. There will always be traffic heading toward the Cape and the children will be on buses in this traffic	3/17/2016 7:00 PM
35	No.	3/17/2016 5:28 PM
36	Just to reiterate my opinion - the elementary school needs to stay on our side of the bridge!	3/17/2016 5:25 PM
37	Heavy traffic surrounding bridges	3/17/2016 5:04 PM
38	I feel it's important to also consider the time students would spend on the bus, therefore 2 elementary schools on either side of the Canal is best.	3/17/2016 3:08 PM
39	The kids at Peebles often walk to high school	3/17/2016 3:02 PM
40	The current location of Peebles allows the middle school and High School students to walk over and help/participate in various programs. The students at Peebles can walk to the innovation lab and the auditorium. This is a convenience done without the expense having to use buses.	3/17/2016 2:23 PM
41	Potential uses for Peebles if there is one elementary school in Bournedale Cost impact, long term, to school budget if staff, resources, buses, etc. are consolidated in one building If fifth graders are moved, would that space benefit students, staff, and programs at BMS	3/17/2016 10:43 AM
42	I did not answer 2. as I believe the decision needs to based in what is best for the children and their families vs my emotional attachment. I left 3. blank as I do not see the need to pit one group of town employees against the other and I feel that the question is divisive. On 4. I left 2 items blank, unnumbered, as they were contrary to my #2 and #3 choices so I do not want them at all.	3/17/2016 10:12 AM
43	An active discussion is needed about future override requests that seem to be pending come FY18; so as to place Peebles effort in perspective.	3/16/2016 6:15 PM
44	PLEASE DO NOT REPLACE THE PEEBLES SCHOOL WITH A POLICE STATION !!!	3/16/2016 5:25 PM
45	Public Health in a deteriorating building that was once full of contaminants.	3/16/2016 9:25 AM
46	Not incurring costs related to additional roads/transportation. What is the cost analysis/trade offs for the various scenarios?	3/16/2016 9:14 AM

47	The travel time for parents that live in Cataumet area! Feel like we are going back in time when we sent our children to the base. UGH!!!	3/16/2016 8:58 AM
48	We need adeqeuate equipment and a structure, including a pitched roof for this new building. Low interest in architecture extras.	3/15/2016 8:36 PM
49	Building design.	3/15/2016 5:11 PM
50	It'd be nice to see posted somewhere thoughts and opinions from teachers, students/former students, parents & first responders.	3/15/2016 4:13 PM
51	The "sentimental" value of a building should play no role whatsoever in deciding what is best for the education of our students and the town as a whole.	3/15/2016 1:00 PM
52	A combined Elementary school will result in too many students in one school. Loss of the Community campus on the main campus with the High School & Middle School. Added traffic issues for Cape side students. Loss of Base students to surrounding towns to avoid busing over the bridge.	3/14/2016 10:24 PM
53	Value. A serviceable & durable product of which the community can be proud.	3/14/2016 9:13 PM
54	I have ranked two things as important. The other four are considerations should not be driving force in the decision. Look for the most cost effective solution that provides adequate school facilities for Bourne Students given declining enrollments. Consider alternate grade configurations that will make maximum use of existing facilities without a huge expense to the taxpayer.	3/14/2016 1:26 PM
55	Replacing Peebles keeps the campus atmosphere, access to the High School and Middle School, and gives two local elementary schools.	3/14/2016 11:39 AM
56	move the high school to peeples, we have lost 50% of the enrollment from 8 to 9th grade. give the high school to the elementary. help fight fixed cost overruns.	3/14/2016 11:12 AM
57	Better, uniform transition to 5th grade as all students are coming from a similar learning experience.	3/14/2016 9:51 AM
58	Space out major construction projects townwide. New Police Station is number one priority.	3/14/2016 8:30 AM
59	Make room for full day Kindergarten so we don't have to leave the school system at an early age and then stay with the school we chose because Bourne had no space	3/13/2016 8:20 AM
60	Building an addition on to the Peebles School seems to be a better alternative than spending more money on building a whole new school , then paying more money to Demolish the old one also having to pay for the disposal of the debris from the demolition.	3/12/2016 9:55 PM
61	What are the projected future enrollments for K - 4 and how many students is this building being planned for ?	3/12/2016 7:25 PM
62	The traffic and safety for ALL school buses to need to go over the bridges every day is very concerning but more so with small children. Also, it would be extremely difficult at times when there is a lot of traffic for parents that have sick children and need to return to the cape for doctors appointments.	3/12/2016 10:10 AM
63	Disruption of the classroom and focus while construction is going on - when will this construction take place, how will it effect the current students?	3/12/2016 9:46 AM
64	The demolition and rehabilitation of the dilapitated buildings in town before cramming more apartment buildings on main st. Re-directing thru traffic down the by-pass help control traffic on main st.	3/12/2016 1:10 AM
65	Don't spend money on relocating grades - spend it on academic programs and the arts	3/11/2016 8:58 PM
66	Side walks on all main town roads.	3/11/2016 7:43 PM
67	In order for 7th/8th graders to see their pathway to college and career at Bourne High School--move them to the high school building and create a Bourne Middle-High School. Once the 7th/8th graders see themselves as already belonging to a high school, they may be less likely to "jump ship" at the end of 8th grade. Put all grade 3-6 students at the current Bourne Middle School. Make the Bournedale Elementary School a PreK-2 building. Tear down Peebles and make recreational fields for the children of Bourne. The Peebles land might also work as a location for a new Police station.	3/11/2016 7:03 PM
68	Building a school on an already large school for young age children doesn't make	3/11/2016 7:02 PM
69	Just don't build it off Sandwich Rd. My morning commute already sucks.	3/11/2016 6:59 PM
70	Affordability, both now & long term, within Town's budget constraints.	3/11/2016 6:53 PM
71	Least impact to students during construction	3/11/2016 6:39 PM

72	Raze peebles and build a larger school for (pre-k?) k-4 . Pre-k could possibly be at Bournedale. Bourne should have a campus style setting so all students and parents are able to access each school easily. Not sure what Bournedale would be used for but it is inadequate as a prek-4 school. The gym is too small, the playground / grounds are under utilized, it is now next to public works which is not ideal. Poor planning.	3/11/2016 6:03 PM
73	We just built a new Elementary School why did we not make it bigger poor planning on the towns part	3/11/2016 5:47 PM
74	Two elementary schools are optimal.	3/11/2016 3:46 PM
75	I would prefer to have an elementary school on each side of the Canal that provided pre K through 4th grade. This would include the buildout of Bourndale elementary and a new Peebles elementary. For a new Peebles school I would like to see the Middle School designed updated and redesign of the current school campus.	3/11/2016 3:05 PM
76	Could there be a school or wing for 5th and 6th graders together?	3/11/2016 2:27 PM
77	Model school project or another previous design like Bournedale was that saved a lot of money. Sensible clean design that the town can afford to build, operate, and actually maintain at a reasonable cost unlike many current over done municipal buildings in local communities.	3/11/2016 2:01 PM
78	It's important to maintain 3 schools on the Peebles campus; all students get tremendous benefit from using/interacting with the other two schools. Very important to stay 3 schools on the campus!!	3/11/2016 1:48 PM
79	move grade 8 to the high school! It worked well in the past - I had students that attended the high school as 8th graders and they loved it especially all the opportunities it offered. They also would be less likely to go to another high school instead once attending BHS.	3/11/2016 1:46 PM
80	While peebles holds sentimental value it angers me that my children are in a potentially unsafe building with asbestos tiles on the floor. I can't imagine what is in that building that we do not even know about!!	3/11/2016 1:38 PM
81	District lacks of commitment to 21st century technology as a part of the curriculum for all students. Not just a class here and there, all subjects, faculty & students need to use the latest tools & teaching materials/methods. Bourne it's faculty, and students are falling way behind. This is a knowledge economy and we are failing our kids by our inability to embrace technology in our kids everyday learning. Why do you think kids are opting out of Bourne High in such high numbers.	3/11/2016 1:17 PM
82	Common core 3 through5 stays together in one building. Bringing all fifth graders together before moving to a school with older children.	3/11/2016 1:05 PM
83	Although it is important to me to have the 5th grade out of the middle school, it's more important for the Bournedale students to not have 2 transitions in 2 years. This would be very difficult for students w/special needs. I would rather see them at the middle school.	3/11/2016 12:35 PM
84	The benefits of having most if not all on campus in order to take advantage of resources available at all levels. For example, Peeples Elementary has the advantage of using the resources available at The Innovation studio located in the High School. This is difficult for bournedale.	3/11/2016 12:31 PM
85	No	3/11/2016 12:29 PM
86	Bournedale students should not have to transfer in 5th grade and then again for sixth.	3/11/2016 12:19 PM
87	Bournedale = PK-2 town wide New Peebles building in same location = 3-5 town wide BMS= 6-8 BHS=9-12	3/11/2016 12:15 PM
88	2 elementary schools with grade 5 at both.	3/11/2016 12:08 PM
89	Room in the new building sufficient for full day kindergartens on the Cape side.	3/11/2016 12:01 PM
90	As long as 5th graders are at the middle school, there should be an appropriate after school program. Kids that young should not be expected to go home to an empty house.	3/11/2016 11:59 AM
91	By moving the elementary to the other side of the bridge you are losing the campus feel and resources that come from having an elementary school with the middle school and high school. I, as a taxpayer, will not vote to segregate our youngest population from their older time models	3/11/2016 11:50 AM
92	Can we consider full day kindergarten for all students? As always, our students and their education should be #1. We should strive to get Bourne on at least the top 100 schools in MA list.	3/11/2016 11:47 AM
93	Metal Buildings have come a long way they can be really accommodating, beautiful, and utilized in very many ways	3/11/2016 11:43 AM
94	Combining all elementary students in my view is an unwieldy administrative proposition. Such a model would not promote quality relationships between students and staff. Younger students could not thrive in such a large community setting. Bus rides would be much longer for those south of the canal.	3/11/2016 11:43 AM
95	Did anyone think of K-2 at Bournedale 3-5 at Peebles 6-8 at BMS 9-12 at BHS That structure would have been able to house the best educational plan for the students of Bourne and keep equitable programs for everyone.	3/11/2016 11:38 AM

96	Better education facility and sports fields/stadium.	3/11/2016 11:32 AM
97	No	3/11/2016 11:24 AM
98	Special Education for students is important.	3/11/2016 11:16 AM
99	Have a maintanance plan on all buildings grounds and equipment and not just run them in the ground and beg for money to replace.	3/11/2016 10:19 AM
100	I do not want to lose the community Elementary school on the Cape side of the Bridge.	3/11/2016 10:06 AM
101	I think that cost needs to include long term costs, such as energy costs, maintenance, etc.	3/11/2016 8:40 AM
102	Small school size for k-4. A consolidated bigger schools means kids will have a smaller chance of making individual relationships with the principal, nurse, librarian, secretaries, etc. Currently the schools seem to be a "everyone knows everyone" setting which is a huge benefit and security for our youngest residents. To me is not as much the location of two schools but the fact that they are two small schools.	3/11/2016 8:20 AM
103	Cost not as just a minimal impact to taxpayers, but serious and thoughtful consideration of spending.	3/11/2016 8:17 AM
104	1. Fewest transitions for students. 2.Holding firm to the plan once it has been selected. Example: The middle school was not intended to house grade 5 when that plan was selected.	3/11/2016 8:11 AM
105	We need two elementary schools.	3/11/2016 8:09 AM
106	I think asking BES 5th graders to move to Peebles for one year and then on to BMS in 6th grade is ridiculous, disruptive, and clearly not driven with the best interest of the students in mind. Peebles holds great sentimental value to me but that doesn't mean keeping the current building is a god idea. Coady, Lyle, and Stone also held sentimental value to many, yet we all seem to have "recovered" from them sitting and rotting away.	3/11/2016 8:01 AM
107	Traffic!!!!	3/11/2016 7:58 AM
108	The scenic highway will not support traffic for a consolidated elementary school; especially in September, May, and June	3/11/2016 7:58 AM

Q6 How can the Bourne School Building Committee improve communication with the public regarding this project and state grant?

Answered: 146 Skipped: 292

#	Responses	Date
1	Public meetings and newspaper as well as school web site	3/19/2016 9:10 AM
2	news paper, school email blasts, phone blasts	3/18/2016 11:01 PM
3	Continue to communicate with public	3/18/2016 8:23 PM
4	It has been wonderfully communicated	3/18/2016 8:03 PM
5	Select a better superintendent and start with new administrators at most levels.	3/18/2016 7:58 PM
6	They have gone over and above with communication. If people choose not to get involved that is their decision.	3/18/2016 7:54 PM
7	Local newspapers and local TV. Radio could also be effective.	3/18/2016 7:21 PM
8	Send emails and post publications online and in the local newspapers	3/18/2016 6:31 PM
9	A difficult task, but getting people out to listen. Possibly a cable presentation that is advertised.	3/18/2016 5:33 PM
10	Lead time give them information as soon as you know it via a web page and robo calls for those not in Internet go to ares with seniors on fixed income and see if a tax waiver can be applied for those who qualify as low income	3/18/2016 5:17 PM
11	Maybe a flyer home with every child detailing the costs and Grant and the importance of voters with kids to come to town meeting and VOTE!! Otherwise we let the population without kids decide for us!!!!!	3/18/2016 5:08 PM
12	keep sending email and news reports.	3/18/2016 4:59 PM
13	utilize all media outlets	3/18/2016 4:46 PM
14	Communication has been good	3/18/2016 4:42 PM
15	How is being funded. Not sure why we have had cut backs in the town and now thinking of building a new school.	3/18/2016 4:40 PM
16	Teachers administration school committee should recommend a best plan backed up with educational and fiscal data.	3/18/2016 4:08 PM
17	Social media!	3/18/2016 4:06 PM
18	Perhaps emails, local papers,	3/18/2016 4:05 PM
19	Communicate regularly with residents.	3/18/2016 3:53 PM
20	Link information on variuos Bourne websites.	3/18/2016 3:42 PM
21	I feel that there has been great communication so far. I appreciate all the opportunities to hear / discuss different view points.	3/18/2016 3:38 PM
22	Maybe some flyers to let people know what it all comes down to? :-)	3/18/2016 3:30 PM
23	They did	3/18/2016 3:20 PM
24	Dont make a new school, or dont screw this school up like bourne did with bourndale, yes listen to the teachers to what they need not your greedy pockets	3/18/2016 3:03 PM
25	Through email and other media	3/18/2016 3:03 PM
26	keep the articles coming in the papers. Add the Council on Aging Newsletter to the list of media outlets.	3/18/2016 3:02 PM
27	Keep these texts coming. It's great!	3/18/2016 3:01 PM
28	In this day and age of going paperless I feel a lot of important issues get overlooked or lost in email accounts (mailings and sending paper work home with kids is a good start) also language and terms that everybody can understand	3/18/2016 2:02 PM
29	Flyers at local businesses.	3/18/2016 11:15 AM

30	Informative meetings with all concerned	3/18/2016 9:08 AM
31	Send out emails	3/18/2016 8:57 AM
32	Send out text messages using Remind101	3/18/2016 8:17 AM
33	Stop using people for building committees that have lesser of a stake in the outcome of the project. In other words do what's best and end the good old boy network!!!!	3/18/2016 7:54 AM
34	Send Facebook posts, emails or mailings home - Let us know when meetings will be held.	3/18/2016 7:50 AM
35	Sky writing - consider a plane (kidding). I'm not sure what else you can do for comm. people can be hard nuts to crack and it's frustrating how much effort it takes to get word out! Maybe mailers?	3/18/2016 7:47 AM
36	It seems like I mostly/only hear about these things through Facebook posts from other parents. How exactly is information about this being communicated at all?? I don't feel like we have received any direct correspondence directly from the school building committee.	3/17/2016 9:08 PM
37	We recently moved to Bourne and my daughter is still in preschool so I don't know too much about what is going on. I would love to see more information. Perhaps sharing information about proposals and meetings in the Bourne Residents group on Facebook? I would love to get more involved but I don't know how. Thanks for posting this survey to the group...great idea!	3/17/2016 9:06 PM
38	Notices from school.	3/17/2016 8:57 PM
39	Email and town website	3/17/2016 8:40 PM
40	Social media	3/17/2016 8:39 PM
41	Email	3/17/2016 8:37 PM
42	Mail letters to all in area's mentioned who are parents of those directly impacted, a lot of people want to know, but don't or can't go to meetings, some of us are self employed and have no ability to make it to town meetings.	3/17/2016 8:28 PM
43	Be realistic on what the people have shown they want by our voting history.	3/17/2016 7:58 PM
44	Home mailings, only way to make sure everyone sees it.	3/17/2016 7:43 PM
45	Utilize social media	3/17/2016 7:20 PM
46	Printed notices from school.	3/17/2016 7:16 PM
47	Taking to social media reaches a much larger audience. The more presence, the better.	3/17/2016 5:28 PM
48	Reaching out via email and social media will get more young taxpayers involved.	3/17/2016 5:24 PM
49	send flyers home to all students families as email gets lost and paper is a reminder	3/17/2016 5:10 PM
50	Use family friendly language when advertising. Send home flyers at school.	3/17/2016 2:23 PM
51	Info has been available but not as obviously as in past, for example, meeting dates and times, websites, survey monkey, etc. listed independently, not just within a news article. Thank you	3/17/2016 10:43 AM
52	As I am not aware of the time-frame my suggestion may not be able to be considered but could a presentation be done just prior to May town meeting being called to order?	3/17/2016 10:12 AM
53	THEY ARE DOING FINE.	3/16/2016 5:25 PM
54	Flyers home to all students, mailing to residents.	3/16/2016 12:53 PM
55	Newspaper articles	3/16/2016 9:25 AM
56	Keep up with the newspaper articles, on the BPS and school websites, on the Town of Bourne website.	3/16/2016 9:14 AM
57	E-mail list.	3/15/2016 5:11 PM
58	More newspaper coverage. Especially about the state grant that will help ease the burden to the taxpayers.	3/15/2016 4:56 PM
59	A dedicated page attached to the Town web site would be great with a link to this survey, copies of letters/minutes/Bourne TV links of coverage, any other relative materials to the project and state grant.	3/15/2016 4:13 PM
60	facts-no false promises or misinformation regarding cost-stay on budget-	3/15/2016 11:19 AM
61	Hard copy information home with students.	3/14/2016 10:24 PM
62	record a video presentation, make it available as podcast downloadable. Publicize that.	3/14/2016 9:13 PM
63	Email this as the only subject, do not combine it with other school district news or info.	3/14/2016 2:44 PM

64	Set up a Facebook page and make periodic reports to the community at Town Meetings and to Boards and Committees that might have interest in the progress.	3/14/2016 1:26 PM
65	Advertise in the Cape Cod Times	3/14/2016 11:39 AM
66	any communication would be great. please tell me why we are loosing 50% of the students who matriculate from 8th to 9th grade. what colleges our are graduating classes getting accepted in. how do those acceptances compare to the surrounding towns. I feel there is zero communication on anything. when there is zero communication, then you can only believe the rumor mill. if there are no real facts on the graduating classes then you have no option then to exercise student choice and pick a town who publishes were there graduates are being accepted.	3/14/2016 11:12 AM
67	Send home information packets with students.	3/14/2016 10:11 AM
68	Flyers and more social media broadcasts.	3/14/2016 9:51 AM
69	I think the meetings should be held in the Community Building. It is a public building and some are use to attending public meetings there.	3/14/2016 7:27 AM
70	More of a presence on Facebook.	3/14/2016 7:02 AM
71	You have been with informing the community through the media. Please continue with this, I think the committee has been very informative of what is going on and when meetings will take place.	3/14/2016 5:52 AM
72	Speak to parents at the beginning and end of school days at parent drop off and pick up.	3/13/2016 7:28 PM
73	Send home a paper flyer with every student because many parents forget about emails or don't open them.	3/13/2016 9:50 AM
74	I think it's out there. I have a toddler and an infant so it's tough to miss dinner and getting them both into bed when my husband works until 7. I thinking keeping options and information in the local papers and enews/email is great. I know when the budget issues were happening there was a group on Facebook created by Judy Froman I think that had so much information or frequently asked questions/answers and it was a great resource to know you were getting accurate information.	3/13/2016 8:20 AM
75	Automated phone calls/phone surveys, offer two different meeting times to accommodate different work schedules	3/12/2016 10:49 PM
76	Facebook	3/12/2016 9:05 PM
77	Hold public meetings on weekends so more residents can attend	3/12/2016 7:25 PM
78	No, you have been very informative thru media.	3/12/2016 4:31 PM
79	Honestly, I think people need to be reminded of the fact that it costs money to educate our community. I get upset when people perpetually make mention of those on a fixed income, and how they can't help. Frankly, we all have somewhat of a fixed income. We all had kids that were educated in this town and we all have to pay for those that came before our children and those that come after our children. Times change. Some things cost more. Some things cost less. In the end, if we want educated, intelligent children to send out into the world, then we need to figure out how to pay for their education! My youngest is a senior this year. I full expect that as a member of this community, I will need to help finance further public education as part of my due diligence as a member of this community even though I no longer have children in the system. People need to hear about their own personal responsibility as a member of this community and tax payer in this town. HOW to do this??? Not so sure... It's frustrating though.	3/12/2016 1:59 PM
80	Website and Facebook are both useful tools.	3/12/2016 10:36 AM
81	Send summaries of what is happening for those that can't attend meetings and continue with surveys. Have an email / contact person available if someone has more questions. Have information posted to the PTA website.	3/12/2016 10:10 AM
82	Mailings directly to the public - not everyone has access to the various email/online communications, not everyone reads the paper, and not everyone can attend evening meetings to get information without the "noise" everyone makes - a Clear outlined letter with links to the various locations t get information would be helpful. The letter should be clean without opinion and sent out detailing options - cost might be a concern but better to spend a little now and have people informed then deal with the cost of delays later when people start to complain they were not informed.	3/12/2016 9:46 AM
83	the Bourne Residents facebook page, bourne courier bourne enterprise great sources widely used by the community members of this town.	3/12/2016 1:10 AM
84	Be honest and present the facts	3/12/2016 1:00 AM
85	Town meetings	3/11/2016 9:49 PM
86	I saw this on fb- wouldn't have otherwise	3/11/2016 8:58 PM
87	Information mailer sent to homes Community Television presentation	3/11/2016 7:03 PM
88	Keep doing what you have been doing	3/11/2016 7:02 PM

89	Word of mouth. Stress word of mouth. Post on the Bourne Residents Facebook pages and other social media sites. MAYBE even consider a Bourne School Building Committee Facebook page? Also, get on the Town of Bourne's case about making a less-crappy calendar of public events. I am crossing my fingers for this! I'm in my 30's and I remember visiting Peebles when I was in high school and I wondered how it was even still in commission.	3/11/2016 6:59 PM
90	More honesty in budgets. First we need an override, then we don't? People have no confidence in our town officials. One thing is certain, we need an elementary to replace Peebles and a modern police station.	3/11/2016 6:51 PM
91	Narrow down to two choices	3/11/2016 6:39 PM
92	Send a newsletter through the mail. Adults still go to the mailbox everyday.	3/11/2016 6:35 PM
93	I think people feel it is happening the way the committee and state want it to happen regardless of their input or vote. When Bournedale was built many people were disappointed. Having it touted as a "neighborhood " school was ridiculous. If you have more than one child in the system you travel over the bridge anyway and it separated families and friends. BMS & BHS students are not able to be a part of BES. The committee needs to stress that it is truly a community project and that every opinion will be listened to and considered important.	3/11/2016 6:03 PM
94	E-mail	3/11/2016 4:59 PM
95	emails, cape cod times, bourne enterprise, public radio station 95.1 XTK, send flyers home with kids,mailings.	3/11/2016 4:23 PM
96	You have communicated.	3/11/2016 3:46 PM
97	Go public with a solution with supporting facts and figures that would meet educational and financial criteria. The only reason to move grade levels should be to improve education.	3/11/2016 3:12 PM
98	I think you have covered all the bases. If people have not heard about the project by now they want to and have their heads buried in the sand!	3/11/2016 3:05 PM
99	I like the online letters, questionnaires or surveys. For working families to go out at night to public meetings is difficult.	3/11/2016 2:27 PM
100	Notice only seems to be through enews. I just signed up. Many others probably are not. Schools send out separate messages from each school list separate from enews.	3/11/2016 2:01 PM
101	Continue posting for all residents to see what is going on, meeting schedules, etc	3/11/2016 1:55 PM
102	Send information home with the students so it potentially touches more parents and guardians.	3/11/2016 1:53 PM
103	I think you are doing everything to the best of your abilities - The best way to improve communication is to encourage input from the public.	3/11/2016 1:28 PM
104	personally unfamiliar with the costs associated with the alternatives. Unfortunately, we don't have the luxury to decide our path without knowing the facts first.	3/11/2016 1:17 PM
105	I believe it's the state grant piece that gets lost in shuffle. Folks see the final $$ and their eyes bug out. It is important to emphasize the end cost to the town after the grant. And too much news activity will have the opposite effect - just more white noise and no one pays attention. Keep Communications brief and to the point. Continued public meetings (even if no one attends) will let everyone know you value public opinion and encourage public input rather than the committee making a decision in a vacuum.	3/11/2016 1:11 PM
106	Let people know about the condition of Peebles and how much that affects the sale of our homes. Not at all appealing to new families.	3/11/2016 1:05 PM
107	More actively getting the word out via social media. Using the Bourne residents facebook group directly to make information available. Identify ways to get in touch with parents of children who are not yet in school, but will be most effected by these changes.	3/11/2016 1:00 PM
108	Send flyers home in the student's backpacks w/language that is easy to understand. The e-news blast was perfect!	3/11/2016 12:35 PM
109	Set up an informative website which is updated every step. Use Twitter Facebook Instagram and any other social media blast informative posts. These tools would not only benefit communication on this project, it would help with any school committee project.	3/11/2016 12:31 PM
110	It cannot. At least not significantly. At the end of the day members of the community must choose to participate in the life of the town. Civic participation cannot be compelled nor even coerced	3/11/2016 12:29 PM
111	I think the BSBC has done a good job of communicating with the public regarding this project. Thank you!	3/11/2016 12:16 PM
112	Have a greater and more focused presence on the town and school website.	3/11/2016 12:10 PM
113	Newspaper, flyers at schools, there has been plenty of communication.	3/11/2016 12:09 PM
114	Send information home in backpacks	3/11/2016 12:08 PM

115	No comment	3/11/2016 11:59 AM
116	Social media is very helpful for working parents like myself who cannot attend meetings and have little time to read lengthy documents. I want a "just the facts" approach to communication that is easy to understand and is distributed digitally. I like this survey approach for public feedback. I wish I could be more involved, but my job and my family commitments make that very difficult.	3/11/2016 11:47 AM
117	Remove The superintendent	3/11/2016 11:45 AM
118	Propose another override. Communication will spike.	3/11/2016 11:45 AM
119	Transparency	3/11/2016 11:43 AM
120	Campaign signs around town.	3/11/2016 11:43 AM
121	News Paper Articles	3/11/2016 11:38 AM
122	I think you're doing a good job trying to communicate with our community. It's understandable that you want to reach more people, however, residents only get involved when issues affect them.	3/11/2016 11:38 AM
123	Newspaper, televised selectmen's meetings, representation at voting sites	3/11/2016 11:37 AM
124	Change the name of the promotion about the project - target the whole school community. In addition, put extra focus on the families that will most be effected by the project (young families with 1st graders and below) who will be in 5th grade when the project is complete	3/11/2016 11:37 AM
125	Continue to send out text notifications	3/11/2016 11:33 AM
126	Be transparent and hire the right project management teams with superior value engineering capabilities.	3/11/2016 11:32 AM
127	Continue phone calls, emails, and texts...	3/11/2016 11:30 AM
128	Keep emailing information to parents	3/11/2016 11:16 AM
129	They are already doing a fabulous job!!!	3/11/2016 10:58 AM
130	No matter what you do people will find something wrong. Keep up the great work you do and keep getting the word out.	3/11/2016 10:19 AM
131	Invite participation in meetings, not just invitations to observe. Make it more clear to all that this is not just a Peebles project, it effects all students. Today's K class in particular.	3/11/2016 10:06 AM
132	I think that the committee is doing a good job of communicating, but unfortunately the public shows a lack of interest at this time. Meetings have been announced through the media and social media. There is not much more that can be done to motivate public involvement.	3/11/2016 8:40 AM
133	More social media updates	3/11/2016 8:39 AM
134	Unfortunately it is not realistic to expect a large amount of people to come to you (town meeting). The expense of a mailing to residents explaining options/pro/cons and cost may be worth it.	3/11/2016 8:34 AM
135	More information reported in the local papers.	3/11/2016 8:29 AM
136	Banners on the town website, and school district website.	3/11/2016 8:26 AM
137	They are doing a great job. I love peebles but it's time for it to go however 2 schools is very beneficial to the town.	3/11/2016 8:20 AM
138	Email where this is the only subject so it stands out is more valuable than a couple of sentences in a cluster of other news items.	3/11/2016 8:17 AM
139	Facebook	3/11/2016 8:17 AM
140	Communication re: the project has been great.	3/11/2016 8:11 AM
141	They have had plenty of meetings. People have been informed. The public needs to know that if they drag their feet, it will cost more money and time.	3/11/2016 8:09 AM
142	There has been a lot of communication on social media about when the meetings are but I haven't seen anything on the results of the meeting. For people who can't attend it would be helpful to see a summary of the discussion points. Maybe some of the themes that came up for each of the positions. Also if there is a position people are for or against.	3/11/2016 8:05 AM
143	The committee should have a Facebook page. Paper fliers clearly and succinctly outlining the for options should go home in backpacks. Fliers at the library, post offices, at Swish, baseball registration, etc.	3/11/2016 8:01 AM
144	Actually listen to the audience questions.	3/11/2016 7:58 AM
145	Cape Cod Times press releases.	3/11/2016 7:58 AM

146	Get more out by facebook	3/11/2016 7:46 AM

Town of Bourne
Peebles Elementary School
SBC Email Log

PROJECT MANAGEMENT SMMA

Emails Received to Date in SBC Email Box (SBC@townofbourne.com) since November 2015

Date	To:	From:	Subject
11/9/2015	SBC	Dave Peterson	Municipal Fire and Life Safety Info
11/16/2015	SBC, MSBA	Steven Lamarche	Updated Enrollment Letter and Certification
11/20/2015	SBC, MSBA	Steven Lamarche	Educational Program Update
11/23/2015	SBC	Michelle Laflamme	Community Workshop
11/24/2015	SBC	Natasha Scarpato	Getting the work out
11/30/2015	SBC, Thomas Guerino	Kathryn DeCristofaro, MSBA	Feasibility Study Agreement Amendment for Execution
12/14/2015	SBC, Thomas Guerino	Kathryn DeCristofaro, MSBA	Executed Feasibility Study Agreement Amendment
12/14/2015	SBC	Jay H Givan, Givan Horne Associates	Manufacturer/Vendor Solicitation: ADA Overview
12/21/2015	SBC	Kathryn DeCristofaro, MSBA	Preliminary Design Program Cursory Review
1/19/2016	Kathryn DeCristofaro, MSBA; SBC	Steven Lamarche	Educational Program
1/19/2016	Joel Seeley; SBC	Kathryn DeCristofaro, MSBA	Educational Program
1/20/2016	SBC, Thomas Guerino	Kathryn DeCristofaro, MSBA	Preliminary Design Program Review Comments
2/3/2016	SBC	Katie Bronkhorst, KI.com	Manufacturer/Vendor Solicitation: Educational Furniture Manufacturer Introduction for K-12 Furniture
3/7/2016	SBC	Patricia DeBoer	BPS – Grade Configuration
3/20/2016	SBC	Joshua Curran	Conflicting Community Forum Dates

From: SBC
To: Seeley, Joel; Traniello, Sarah
Subject: FW: Conflicting Community Forum Dates
Date: Tuesday, March 22, 2016 5:56:41 PM

From: Joshua Curran [jammcurran@gmail.com]
Sent: Sunday, March 20, 2016 8:47 AM
To: SBC
Subject: Conflicting Community Forum Dates

Dear SBC

The date listed on the flyer attached to the Enews letter for the final Community Forum is April 6th. The town website states the date as March 31st. I know from some that are planning to attend it is expected to be the 31st. I have heard comment by the building committee on concerns of public input and attendance. This conflict of dates is not helping. The Enews letter does not give any info on the forums or committee meetings just a link to what appears an inaccurate flyer. It would've been nice if Enews itself had actual dates and info instead of a link. I don't think as many would click on the link as just acknowledge the info right from Enews. Most all of the info giving on Enews is direct. I hope there is some way to correct this confusion in time.

Joshua Curran
29 High Ridge Dr
Bourne, MA 02532