

PROJECT MINUTES

Project: Peebles Elementary School Feasibility Study Project No.: 15041 Prepared by: Joel Seeley Meeting Date: 3/24/2016 School Building Committee Meeting Meeting No: Re: 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	

Meeting Date: 3/24/2016

Meeting No.: 14 Page No.: 2

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:
		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:
		 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:
		 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.

Meeting Date: 3/24/2016

Meeting No.: 14
Page No.: 3

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 5. The MSBA will not reimburse for labor provided by Town employees. 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 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 J. Seeley 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?

Meeting Date: 3/24/2016

Meeting No.: 14 Page No.: 4

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:
		 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:
		 Question 1 – over 70% of the 437 respondents were parents, residents and registered voters.
		 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.
		 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	Old or New Business:
	S. Lamarche K. Kovacs	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.
	J. Seeley	Kovacs and J. Seeley will attend.

Meeting Date: 3/24/2016

Meeting No.: 14
Page No.: 5

Item #	Action	Discussion
14.17	Record	Public Comments:
		 How many Bourne residents send their children to Bourne Public Schools? The fewer school transitions for the elementary children the better. Are the MSBA's enrollment projections too low? What is the MSBA's average class size? Will Bournedale be fully utilized under Option 5? Will the Bournedale, Peebles, Middle School and High School be fully utilized under Option 5? What justifies any of the Options to be brought before Town Meeting requesting project funding? Will the School Committee provide a strong statement on which Option they prefer? 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

JGS/sat/P:\2015\15041\04-MEETINGS\4.3 Mtg_Notes\3-School Building Committee\2016\14_24March2016\Schoolbuildingcommitteemeeting_24March2016_FINAL.Docx



PROJECT MEETING SIGN-IN SHEET

Project: Peebles Elementary School Feasibility Study Project No.:

Prepared by: Joel Seeley Meeting Date: 3/24/2016
Re: School Building Committee Meeting Meeting No: 14

Location: Bourne Veterans Memorial Community Center, Time: 6:30pm

234 Main Street, Buzzards Bay, Massachusetts

Distribution: Attendees, (MF)

SIGNATURE	ATTENDEES	EMAIL	AFFILIATION
Jan Joth	James L. Potter	onsetip@juno.com	Chairman, School Building Committee
Wis fluis	Peter J. Meier	pmeier@townofbourne.com	Bourne Board of Selectmen
aryy	Christopher Hyldburg	chrish@alpha-1.com	Chairman, Bourne School Committee
lo il	Mitch McClain	mitchmcclain@comcast.net	Member, Bourne School Committee
resign Acamos	Natasha Scarpato	scarpato4@comcast.net	Member-At-Large
unaco Union	Richard A. Lavoie	Richl.Lavoie@gmail.com	Member, Bourne Finance Committee
Ulisty / Veu	William Meier	Dusty22752@aol.com	Building Trade Expert
Who any put	Mary Jo Coggeshall	mjcoggeshall@bourneps.org	At-Large
X	Frederick H. Howe	rickhowe9@gmail.com	Board of Health
1 Kly	Steven M. Lamarche	slamarche@bourneps.org	Superintendent of Schools, BPS
man to	Edward S. Donoghue	EDonoghue@bourneps.org	Director of Business Services, BPS
	Thomas M. Guerino	tguerino@townofbourne.com	Town Administrator
min	Jonathan Nelson	jnelson@townofbourne.com	Director of Facilities, Town of Bourne
effort Conde	Elizabeth A. Carpenito	ecarpenito@bourneps.org	Principal, BES
attu rev	Kathy Anderson	kanderson@bourneps.org	Elementary/Special Education Secretary
dust dutin	Janey Norton	inorton@bourneps.org	Principal, PES
6	Kent Kovacs	kkovacs@flansburgh.com	Flansburgh Architects
	Betsy Farrell Garcia	bgarcia@flansburgh.com	Flansburgh Architects
Mr Jul	Joel Seeley	jseeley@smma.com	SMMA

p\2015\15041\04-meetings\4.3 mtg_notes\3-school building committee\2016\14_24march2016\schoolbuildingcommitteemeetingsign-in sheet_24march2016.docx

PROJECT MANAGEMENT SMMA

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

Peebles Elementary School Bourne, Massachusetts

TOTAL PROJECT BUDGET STATUS REPORT

ProPay Code	Description	Te	otal Project Budget	Authorized Changes	R	evised Total Budget		Total mmitted	Budget Balance	% Comtd to Date	Ac	tual Spent to Date	% Spent to Date	Projected Expenditure/ Commitments	I	Balance to Spend
	FEASIBILITY STUDY AGREEMENT															
0001-0000	OPM Feasibility Study/Schematic Design	\$	140,000.00	\$ (15,000.00) \$	125,000.00	\$ 1	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	\$ 3	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	\$ 5	556,320.13	\$ 193,679.87	74%	\$	211,570.13	38%	\$ 344,750.00	\$	538,429.87

SCHOOL BUILDING COMMITTEE PEEBLES ELEMENTARY SCHOOL

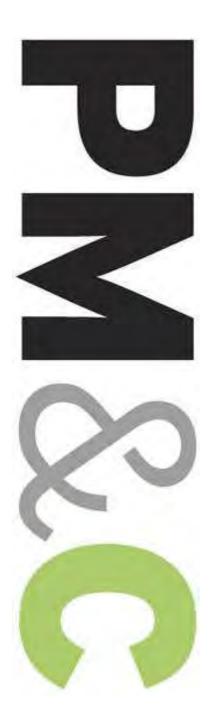
All meetings held at the Bourne Veterans Memorial Community Center at 6:30 PM

unless otherwise noted

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

	November 25, 2015 Opdated Warch 17, 2016
DATE Fossibility Study Phase (PSP)	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 -
oundary 21, 2010	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
Tebruary 10, 2010	Update on Construction Alternatives
	Prepare for Community Forum
	Prepare for Community Forum
	COMMUNITY FORUM NO. 5 - 6:00 to 8:00 PM -
March 3, 2016	PEEBLES ELEMENTARY SCHOOL CAFETERIA
	FEEDLES ELEWENTANT SCHOOL CAI ETENIA
March 10, 2016	SCHOOL BUILDING COMMITTEE MEETING - 7:00PM
Marcii 10, 2016	Review Community Forum Comments
	Update on Sustainable Design Goals
	Update on Construction Alternatives
	Review Cost Models
	TICVICW GOSt 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 -
Watch 31, 2010	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
M 10 0010	DOLLOOL BUILDING COMMUTTEE MEETING
May 12, 2016	SCHOOL BUILDING COMMITTEE MEETING
	Review Community Forum Comments
	Decide the One Preferred Construction Alternative
May 26, 2016	COLLOOL DUIL DING COMMITTEE MEETING
May 26, 2016	SCHOOL BUILDING COMMITTEE MEETING
	Vote to Submit Preferred Schematic Report to MSBA
1 0 0010	OUDLAST DEFENDED COUFLASTIC DEPORT DACKAGE TO MOS 1
June 2, 2016	SUBMIT PREFERRED SCHEMATIC REPORT PACKAGE TO MSBA
	ADDITIONAL MEETINGS TO BE SOLIFBUILED
	ADDITIONAL MEETINGS TO BE SCHEDULED

Project Management SMMA



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



Design Options Bourne, MA

Feasibility Design Submission

07-Mar-16

Estimated

MAIN CONSTRUCTION COST SUMMARY

Construction Gross Floor

\$/sf

	Start	Area	φ/51	Construction Cost
OPTION o - CODE REPAIRS REN	OVATION 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 GENERAL REQUIREMENTS	16 3.00%	MTHS	\$80,000	\$1,280,000 \$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 o	Sep-17	37,557	\$321.26	\$12,065,467



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 GENERAL REQUIREMENTS	24 3.00%	MTHS	\$80,000	\$1,920,000 \$721,686
BONDS	1.25%			\$300,703
INSURANCE PERMIT	1.15%			\$276,646 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



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 GENERAL REQUIREMENTS BONDS INSURANCE PERMIT	26 3.00% 1.25% 1.15%	MTHS	\$80,000	\$2,080,000 \$745,254 \$310,523 \$285,681 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



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



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	<u>-</u>			\$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 SchoolsDesign Options

Bourne, MA

Feasibility Design Submission

07-Mar-16

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



Design Options Bourne, MA 07-Mar-16

Feasibility Design Submission

	Construction Start	Gross Floor Area	\$/sf	Estimated Construction Cost
OPTION o - CODE REPAIRS RENOVATION TO	PEEBLES ES			
BUILDING (Including all Markups)		37,557	\$280.44	\$10,532,317
HAZMAT REMOVALS/DEMOLITION (Including all Mark	ups)			\$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 Mark	ups)			\$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 BOURNEDA	LE ES SITE			
BUILDING (Including all Markups)		114,593	\$220.69	\$25,289,534
HAZMAT REMOVALS/DEMOLITION (Including all Mark	ups)			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 Mark	ups)			\$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 Mark	ups)			\$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



Feasibility Design Submission

Bourne, MA

			ON COST SUMM			
OPTION	BUILDING	E REQUIRED RENOVATION	SUB-TOTAL	TOTAL	\$/SF	%
A10	A1010	OATIONS Standard Foundations	¢0.			
	A1010 A1020	Special Foundations	\$0 \$0			
	A1020	Lowest Floor Construction	\$61,659	\$61,659	\$1.64	0.9%
	AIUSU	Lowest Floor Collsti uction	301,039	\$01,059	\$1.04	0.970
A20	BASEM	IENT CONSTRUCTION				
	A2010	Basement Excavation	\$0			
	A2020	Basement Walls	\$0	\$0	\$0.00	0.0%
В10	SUPER	STRUCTURE				
	B1010	Upper Floor Construction	\$76,250			
	B1020	Roof Construction	\$100,000	\$176,250	\$4.69	2.5%
B20	EXTER	IOR CLOSURE				
	B2010	Exterior Walls	\$95,088			
	B2020	Windows	\$826,825			
	B2030	Exterior Doors	\$29,901	\$951,814	\$25.34	13.6%
В30	ROOFI	NG				
	B3010	Roof Coverings	\$1,164,460			
	B3020	Roof Openings	\$2,500	\$1,166,960	\$31.07	16.7%
C10	INTER	IOR CONSTRUCTION				
	C1010	Partitions	\$75,114			
	C1020	Interior Doors	\$112,671			
	C1030	Specialties/Millwork	\$98,566	\$286,351	\$7.62	4.1%
C20	STAIR	CASES				
	C2010	Stair Construction	\$10,000			
	C2020	Stair Finishes	\$7,330	\$17,330	\$0.46	0.2%
С30	INTER	IOR FINISHES				
	C3010	Wall Finishes	\$187,785			
	C3020	Floor Finishes	\$262,899			
	C3030	Ceiling Finishes	\$262,899	\$713,583	\$19.00	10.2%
D10	CONVE	EYING SYSTEMS				
	D1010	Elevator	\$0	\$0	\$0.00	0.0%
D20	PLUMI	BING				
	D20	Plumbing	\$450,684	\$450,684	\$12.00	6.4%

07-Mar-16

37,557

GFA



Feasibility Design Submission

07-Mar-16

		CONSTRUCTION	N COST SUMML	ARY		
	BUILDING	SYSTEM	SUB-TOTAL	TOTAL	\$/SF	%
TION	o - CODI	E REQUIRED RENOVATION				
D30	HVAC					
	D30	HVAC	\$1,352,052	\$1,352,052	\$36.00	19.3%
D40	FIRE P	ROTECTION				
	D40	Fire Protection	\$225,342	\$225,342	\$6.00	3.2%
D50	ELECTI	RICAL				
	D5010	Complete System	\$1,126,710	\$1,126,710	\$30.00	16.1%
E10	EQUIP	MENT				
	E10	Equipment	\$0	\$0	\$0.00	0.0%
E20	FURNIS	SHINGS				
	E2010	Fixed Furnishings	\$279,222			
	E2020	Movable Furnishings	NIC	\$279,222	\$7.43	4.0%
F10	SPECIA	L CONSTRUCTION				
	F10	Special Construction	\$0	\$0	\$0.00	0.0%
F20	HAZMA	AT REMOVALS				
	F2010	Building Elements Demolition	\$197,772			
	F2020	Hazardous Components Abatement	\$0	\$197,772	\$5.27	2.8%
TOTA	I DIRE	CT COST (Trade Costs)		\$7,005,729	\$186.54	100.0%

GFA

37,557



12

13

14 15

16

17

20

21

22 23

26

27 28

30

31 32

33

36

37 38 39

40 41

42

43

44

45

46 47

49

50 51

52 53 54

56

57

Bourne Elementary Schools Design Options Bourne, MA

Feasibility Design Submission

07-Mar-16

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

OPTION o - 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 3.00 61,659 20,553

new work

SUBTOTAL 61,659

TOTAL - FOUNDATIONS \$61,659

BASEMENT CONSTRUCTION A20

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 loc 750.00 56,250 **75** New penetrations to existing structure ls 15.000.00 15.000

Fire stopping floors flrs 5,000.00 5,000

SUBTOTAL 76,250

B1020 ROOF CONSTRUCTION

Allowance for snow drift upgrades 100.000.00 100.000

SUBTOTAL 100,000

TOTAL - SUPERSTRUCTURE \$176,250

EXTERIOR CLOSURE B20

B2010 EXTERIOR WALLS 11,886 sf

Interior skin

11,886 8.00 Allowance to insulate exterior 95,088 sf

GFA

37.557



Feasibility Design Submission

ourne, MA

_								
CSI CODE		DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
		DDE REQUIRED RENOVATION	-			U.	1	
		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	
; :	D	MANAGONAG		6				
3	В2020	WINDOWS Curtainwall replace existing	7,924	sf sf	120.00	323,280		
3		Premium for sunscreen and light shelf elements	2,694		25,000.00	25,000		
		Windows/storefront replace existing	1	ls sf	85.00	444,550		
		Backer rod & double sealant	5,230	lf	9.00	23,535		
			2,615		4.00	10,460		
		Wood blocking at openings SUBTOTAL	2,615	lf	4.00	10,400	826,825	
		SUBTUTAL					020,023	
	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
	Взо	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	<i>37</i> 0			,		
		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
,								, ,===,,,
3								
)	C10	INTERIOR CONSTRUCTION						
	C1010	PARTITIONS						
		Allowance to modify existing partitions	37,557	sf	2.00	75,114		
		SUBTOTAL					75,114	
		NUMERICAN DOORS						

C1020 INTERIOR DOORS

115

07-Mar-16

37,557

GFA



Feasibility Design Submission

ign Options

	reasibility Desig	n Submission					GFA	37,337
	CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
	OPTION o - Co	ODE REQUIRED RENOVATION						
16		Allowance for ADA upgrades to doors and hardware	37,557	gsf	3.00	112,671		
17		SUBTOTAL					112,671	
18								
19	C1030	SPECIALTIES / MILLWORK						
20		Toilet Partitions and accessories	37,557	gsf	0.80	30,046		
21		Backer panels in electrical closets	1	ls	1,000.00	1,000		
22		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		
23		Room Signs	37,557	gsf	0.40	15,023		
24		Fire extinguisher cabinets	13	ea	350.00	4,550		
25		Corridor Lockers	37,557	gsf	1.00	NIC		
26		Janitors Closet Accessories	1	ls	1,000.00	1,000		
27		Miscellaneous metals throughout building	37,557	sf	0.50	18.779		
28		Miscellaneous sealants throughout building	37,557	sf	0.75	28,168		
29		SUBTOTAL	3/,33/	51	00	20,100	98,566	
30		SOSTOTILE					00,000	
31		TOTAL - INTERIOR CONSTRUCTION						\$286,351
32 33								
34	C20	STAIRCASES	1					
35]					
36	C2010	STAIR CONSTRUCTION		ci.	10.000.00	40.000		
37		Metal pan stair; egress stair; modify existing	1	flt	10,000.00	10,000		
38		Concrete fill to stairs	1	flt	2,000.00	NIC		
39 40		SUBTOTAL					10,000	
41 42	C2020	STAIR FINISHES High performance coating to stairs including all railings etc.	1	flt	3,000.00	3,000		
43		Rubber tile at stairs - landings	150	sf	12.00	1,800		
44		Rubber tile at stairs - treads & risers	115	lft	22.00	2,530		
45		SUBTOTAL	113	nt.	22.00	۵,330	7,330	
46		SOBIOTAL					7,000	
47		TOTAL - STAIRCASES						\$17,330
48 49	\ <u></u>							
50	Сзо	INTERIOR FINISHES	1					
51			1					
52 53	С3010	WALL FINISHES Allowance for wall finishes	0= ===	ggf	5.00	107 705		
54		SUBTOTAL	37,557	gsf	5.00	187,785	107 705	
55		SUBTUTAL					187,785	
56	C3020	FLOOR FINISHES						
57		Allowance for floor finishes	37,557	gsf	7.00	262,899		
58		SUBTOTAL					262,899	
59 60	Casas	CELLING EINIGHEG						
61	C3030	CEILING FINISHES Allowance for ceiling finishes	37,557	sf	7.00	262,899		
62		SUBTOTAL	3/700/			,	262,899	
63							,,,,,,	
64		TOTAL - INTERIOR FINISHES						\$713,583
65 66								
66 67	D10	CONVEYING SYSTEMS	1					
68	210		J					
69 70	D1010	ELEVATOR			00.000.00	377.0		
70		New elevator; 2 stop	1	ea	90,000.00	NIC		
71 72		SUBTOTAL					-	
73		TOTAL - CONVEYING SYSTEMS						
	<u> </u>							

07-Mar-16

37,557

GFA



Bourne Elementary Schools Design Options Bourne, MA

07-Mar-16

		1		HAIR	ECTIN	CITE	mom + *
	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
ION o - Co	ODE REQUIRED RENOVATION						
Dag	PLUMBING	1					
D20	PLUMBING						
D20	PLUMBING, GENERALLY Plumbing; complete system	05.555	act	12.00	450,684		
	SUBTOTAL	37,557	gsf	12.00	450,004	450,684	
						430,064	
	TOTAL - PLUMBING						\$450,
D30	HVAC						
D30	HVAC, GENERALLY						
D30	HVAC complete system	37,557	gsf	36.00	1,352,052		
	SUBTOTAL					1,352,052	
	TOTAL - HVAC						\$1,352,
D40	FIRE PROTECTION						
D40	FIRE PROTECTION, GENERALLY						
	Sprinkler system	37,557	gsf	6.00	225,342	007.040	
	SUBTOTAL					225,342	
	TOTAL - FIRE PROTECTION						\$225,
D50	ELECTRICAL						
		1					
D5010	COMPLETE ELECTRICAL SYSTEM Electrical system; complete	05.555	act	30.00	1,126,710		
		37,557	gsf	30.00	1,120,710	1 100 710	
	SUBTOTAL					1,126,710	
	TOTAL - ELECTRICAL						\$1,126
		1					
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.) SUBTOTAL				FF+E	-	
	TOTAL - EQUIPMENT						
E20	FURNISHINGS						
	· · · · · · · · · · · · · · · · · · ·						

strips

Entry mats & frames - recessed with carpet/rubber

Manual operated roller shades

5,230

sf

sf

45.00

6.00

22,500

31,380



07-Mar-16

Feasibility Design Submission GFA 37,557

SI ODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
PTION o	- CODE REQUIRED RENOVATION						
	Counters, base cabinets, tall storage in classrooms and other rooms	37,557	gsf	6.00	225,342		
	SUBTOTAL					279,222	
E20	MOVABLE FURNISHINGS All movable furnishings to be provided and installed by owner						
	SUBTOTAL					NIC	
	TOTAL - FURNISHINGS						\$279,2
Į.							
F	o SPECIAL CONSTRUCTION						
F	O SPECIAL CONSTRUCTION						
	No Work in this section SUBTOTAL						
	TOTAL - SPECIAL CONSTRUCTION						
F2	O SELECTIVE BUILDING DEMOLITION						
F26	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	
F20	D20 HAZARDOUS COMPONENTS ABATEMENT See main summary for HazMat allowance			5	See Summary		
	SUBTOTAL						
	TOTAL - SELECTIVE BUILDING DEMOLITION						\$197,7



Feasibility Design Submission

07-Mar-16

		CONSTRUCTION	ON COST SUMM	ARY		
	BUILDING	SYSTEM	SUB-TOTAL	TOTAL	\$/SF	%
OPTION	1A - NEV	N ELEMENTARY SCHOOL				
A10	FOUNI	DATIONS				
	A1010	Standard Foundations	\$772,960			
	A1020	Special Foundations	\$0			
	A1030	Lowest Floor Construction	\$547,900	\$1,320,860	\$23.07	8.2%
A20	BASEN	IENT CONSTRUCTION				
	A2010	Basement Excavation	\$0			
	A2020	Basement Walls	\$0	\$0	\$0.00	0.0%
B10	SUPER	STRUCTURE				
	B1010	Upper Floor Construction	\$638,351			
	B1020	Roof Construction	\$1,249,975	\$1,888,326	\$32.99	11.7%
B20	EXTER	IOR CLOSURE				
	B2010	Exterior Walls	\$1,926,182			
	B2020	Windows	\$1,530,386			
	B2030	Exterior Doors	\$58,541	\$3,515,109	\$61.40	21.8%
В30	ROOFI	NG				
	B3010	Roof Coverings	\$910,113			
	B3020	Roof Openings	\$12,500	\$922,613	\$16.12	5.7%
C10	INTER	IOR CONSTRUCTION				
	C1010	Partitions	\$1,035,059			
	C1020	Interior Doors	\$228,992			
	C1030	Specialties/Millwork	\$402,077	\$1,666,128	\$29.10	10.3%
C20	STAIR	CASES				
	C2010	Stair Construction	\$104,000			
	C2020	Stair Finishes	\$14,660	\$118,660	\$2.07	0.7%
С30	INTER	IOR FINISHES				
	C3010	Wall Finishes	\$286,240			
	C3020	Floor Finishes	\$400,736			
	C3030	Ceiling Finishes	\$400,736	\$1,087,712	\$19.00	6.7%
D10	CONVE	EYING SYSTEMS				
	D1010	Elevator	\$90,000	\$90,000	\$1.57	0.6%
D20	PLUMI	BING				
	D20	Plumbing	\$686,976	\$686,976	\$12.00	4.3%

GFA

57,248



07-Mar-16

Feasibility Design Submission GFA 57,248

		CONSTRUCTION	I COST SUMM	ARY		
	BUILDING		SUB-TOTAL	TOTAL	\$/SF	%
PTION	1A - NEV	V ELEMENTARY SCHOOL				
D30	HVAC					
	D30	HVAC	\$2,060,928	\$2,060,928	\$36.00	12.8%
D40	FIRE P	ROTECTION				
	D40	Fire Protection	\$257,616	\$257,616	\$4.50	1.6%
D50	ELECTI	RICAL				
	D5010	Complete System	\$1,602,944	\$1,602,944	\$28.00	9.9%
E10	EQUIP	MENT				
	E10	Equipment	\$506,200	\$506,200	\$8.84	3.1%
E20	FURNIS	SHINGS				
	E2010	Fixed Furnishings	\$435,012			
	E2020	Movable Furnishings	NIC	\$435,012	\$7.60	2.7%
F10	SPECIA	L CONSTRUCTION				
	F10	Special Construction	\$0	\$0	\$0.00	0.0%
F20	HAZMA	AT REMOVALS				
	F2010	Building Elements Demolition	\$0			
	F2020	Hazardous Components Abatement	\$0	\$0	\$0.00	0.0%
TOTA	I DIREC	CT COST (Trade Costs)		\$16,159,084	\$282.26	100,0%



07-Mar-16

Feasibi	ility Design Submission					GFA	57,248
CSI				UNIT	EST'D	SUB	TOTAL
CODE	DESCRIPTION	QTY	UNIT	COST	COST	TOTAL	COST

CODE DESCRIPTION

OPTION 1A - NEW ELEMENTARY SCHOOL

GROSS FLOOR AREA CALCULATION

First Floor 40,137 Second Floor 17,111

	Second Floor	:		17,111		
	TOTAL GROSS FLOOR AREA (GFA)				57,248 sf	
		_				
A10	FOUNDATIONS]				
	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	3 7	ea	150.00	5,550	



Feasibility Design Submission

07-Mar-16

CSI				UNIT	EST'D	SUB	TOTAL				
CODE	DESCRIPTION	QTY	UNIT	COST	COST	TOTAL	COST				
OPTIO	OPTION 1A - NEW ELEMENTARY SCHOOL										

OPTION 1A - NEW ELEMENTARY SCHOOL SUBTOTAL 772,960 58 A1020 SPECIAL FOUNDATIONS 59 No Work in this section 60 SUBTOTAL 61 62 A1030 LOWEST FLOOR CONSTRUCTION 63 New Slab on grade, 5" thick Structural gravel fill, 8" 30.00 29.760 992 cy Base course, 8" gravel 65 35.00 34,720 992 cy Rigid insulation 2.25 90,308 40,137 sf 67 Vapor barrier 40,137 sf 0.75 30,103 2.50 100,343 Under slab drainage -allow 40,137 sf 69 Mesh reinforcing 15% lap 46,158 sf 0.80 36,926 Concrete - 5" thick 125.00 82,000 656 cy 71 Placing concrete 45.00 29,520 656 cy 72 Finishing and curing concrete 1.50 60,206 40,137 sf 73 Control joints - saw cut 0.10 4,014 40,137 sfMiscellaneous 75 New Elevator pits 25,000.00 25,000 1 ea New loading dock - allow 20.000.00 20,000 ls 77 Equipment pads - allow ls 5,000.00 5,000 78 SUBTOTAL 547.900 79 80 TOTAL - FOUNDATIONS \$1,320,860 81 82 83 BASEMENT CONSTRUCTION 84 85 A2010 BASEMENT EXCAVATION No items in this section 87 SUBTOTAL 88

A2020 BASEMENT WALLS

89

91

92 93

94 95 96

97

98

99

101

No items in this section

SUBTOTAL

TOTAL - BASEMENT CONSTRUCTION

B10 SUPERSTRUCTURE 12 lbs/sf B1010 FLOOR CONSTRUCTION 352 tns Floor Structure - Steel: 100 Steel beams and columns; 13/SF 111 tns 3,400.00 377,400 Shear studs 2.50 8,555 ea 3,422 102 Floor Structure 103 3" Metal floor Deck 4.00 68,444 17,111 sf 104 WWF reinforcement 0.80 19,678 sf15,742 105 Concrete Fill to metal deck; 5 1/4" Light weight 170.00 46,410 273 cy 106 Place and finish concrete 17,111 sf 2.00 34,222 107 Misc. perimeter angles lf 25.00 34,800 1,392 108 Miscellaneous 109 Fire proofing to columns and beams sf 2.50 42,778 17,111 110 5,000.00 10,000 Fire stopping floors 2 flrs

GFA

57.248



Bourne Elementary Schools Design Options Bourne, MA

Feasibility Design Submission

TOTAL - SUPERSTRUCTURE

rne Elementary Schools 07-Mar-16

	CSI				UNIT	EST'D	SUB	TOTAL
	OPTION 1	DESCRIPTION A - NEW ELEMENTARY SCHOOL	QTY	UNIT	COST	COST	TOTAL	COST
111	OI HON E	SUBTOTAL					600 051	
112		SUBTOTAL					638,351	
113	Dia	as BOOF CONCERNICEION						
	B10							
114		Roof Structure - Steel:						
115		Steel beams/Joists; 12#/SF	241	tns	3,400.00	819,400		
116		Roof Structure						
117		3" Metal floor Deck @ roof	28,837	sf	4.00	115,348		
118		Acoustic deck at gym, 3", type NA	11,300	sf	7.00	79,100		
119		Roof Structure @ Mech Equipment/Low roof						
120		WWF reinforcement	9,315	sf	0.80	7,452		
121		Concrete Fill to metal deck; 5 1/4" Light weight	129	cy	170.00	21,930		
122		Place and finish concrete	8,100	sf	3.00	24,300		
123		<u>Miscellaneous</u>						
124		Canopy framing - allow	1	ls	30,000.00	30,000		
125		Roof screen framing - allow	1,100	sf	20.00	22,000		
126		Fire proofing to columns, beams and deck	40,137	sf	3.25	130,445		
127		SUBTOTAL					1,249,975	
128								

B20	EXTERIOR CLOSURE					
32010	EXTERIOR WALLS Interior skin	25,942	sf			
	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
32020	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

GFA

57,248

\$1,888,326



Bourne Elementary Schools Design Options Bourne, MA

Feasibility Design Submission GFA 57,248

reasini	ility Desig	n Submission					GFA	57,2
CSI CODE		DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
OPTIO	ON 1A - N	NEW ELEMENTARY SCHOOL	-					
		Glazed entrance doors including frame and hardware; double door $% \left\{ 1,2,\ldots,n\right\}$	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	
ı								
		TOTAL - EXTERIOR CLOSURE						\$3,515,10
	Взо	ROOFING						
	B3010							
		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						\$922,6
		TOTAL ROOTEN						Ψ9==,0
ı								
	C10	INTERIOR CONSTRUCTION						
	C1010	PARTITIONS						
	CIOIO	Reinforced masonry shear walls at Gymnasium &	6,870	sf	23.00	158,010		
		Stage 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		ls	100,000.00	100,000		
			1					
		Miscellaneous partitions not yet shown	57,248	gsf	5.00	286,240	1 005 050	
		SUBTOTAL					1,035,059	
		INTERIOR DOORS						
	C1020		_	gsf	4.00	228,992		
	C1020	Allowance for specialty doors, doors and hardware	57,248	8				
	C1020		57,248	8			228,992	
		Allowance for specialty doors, doors and hardware SUBTOTAL	57,248	8			228,992	
		Allowance for specialty doors, doors and hardware	57,248 57,248	gsf	0.80	45,798	228,992	

07-Mar-16



251

257

274

276 277 278

Bourne Elementary Schools Design Options Bourne, MA

Feasibility Design Submission

07-Mar-16

UNIT EST'D SUB TOTAL QTY UNIT TOTAL DESCRIPTION **OPTION 1A - NEW ELEMENTARY SCHOOL** Backer panels in electrical closets 1 ls 1,000.00 1,000 223 Marker boards/tackboards in classrooms, offices, 57,248 sf 1.00 57,248 conference rooms, library and MP rooms; 20' tackboard w/ 8' markerboard in each Educational space 224 **Building directory** 3,000.00 3,000 loc 1 225 Bronze dedication plaque 2,500.00 2,500 loc 1 Room Signs 0.40 22.899 57,248 gsf 227 Fire extinguisher cabinets 350.00 19 ea 6,650 Cubbies 0.80 45.798 57,248 gsf 229 Janitors Closet Accessories 1,000.00 1,000 Shelving in storage rooms ls 10.000.00 10.000 1 231 Staff mailboxes/casework ls 5,000.00 5,000 232 Reception desk in Media - allowance ls 20,000 20,000 1 233 F,F & E Library shelving 234 Display cases ls 30,000.00 30,000 1 Guardrail at open to below spaces 170 lf 300.00 51,000 236 1.00 Miscellaneous metals throughout building 57,248 sf 57,248 Miscellaneous sealants throughout building 0.75 57,248 sf 42.936 238 **SUBTOTAL** 402,077 240 TOTAL - INTERIOR CONSTRUCTION \$1,666,128 241 242 243 C20 STAIRCASES 244 C2010 STAIR CONSTRUCTION 245 246 Feature stair including rails and finishes flt 60,000.00 60,000 247 Stage stairs, wood 2 flts 5,000.00 10,000 248 Metal pan stair; egress stair flt 30.000.00 30.000 1 249 Concrete fill to stairs flt 2,000.00 4,000 SUBTOTAL 104,000 252 C2020 STAIR FINISHES 253 flt 3,000.00 High performance coating to stairs including all 2 6,000 railings etc. 254 300 Rubber tile at stairs - landings 12.00 3.600 sf 255 230 Rubber tile at stairs - treads & risers lft 22.00 5,060 256 SUBTOTAL 14,660 258 TOTAL - STAIRCASES \$118,660 259 260 261 Сзо INTERIOR FINISHES 262 263 C3010 WALL FINISHES 264 Allowance for wall finishes 5.00 286,240 57,248 gsf SUBTOTAL 286.240 266 267 C3020 FLOOR FINISHES 268 Allowance for floor finishes 7.00 400,736 57,248 gsf 269 **SUBTOTAL** 400,736 271 C3030 CEILING FINISHES 272 Allowance for ceiling finishes 7.00 400,736 57,248 sf 273 **SUBTOTAL** 400,736 275 **TOTAL - INTERIOR FINISHES** \$1,087,712

Bourne Elementary Schools Feasibility Options 3.7.16

GFA

57.248



urne Elementary Schools

O7-Mar-16

		n Submission	Г	1	LINITE	romb.	CLID	57
CSI CODE		DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
OPTIO	N 1A - N	NEW ELEMENTARY SCHOOL						
	Dioto	ELEVATOR						
	DIOIO	New elevator; 2 stop	1	ea	90,000.00	90,000		
		SUBTOTAL					90,000	
Г		moment government of the control of					·	_
L		TOTAL - CONVEYING SYSTEMS						\$90,0
_			_					
L	D20	PLUMBING						
	D20	PLUMBING, GENERALLY						
		Plumbing; complete system	57,248	gsf	12.00	686,976		
		SUBTOTAL					686,976	
Г		TOTAL - PLUMBING						\$686,
L								
Г	D30	HVAC]					
L			1					
	D30	HVAC, GENERALLY HVAC complete system	57,248	gsf	36.00	2,060,928		
		SUBTOTAL	5/,246	gsi	30.00	2,000,928	2,060,928	
_		SOBIOTAL					2,000,320	
L		TOTAL - HVAC						\$2,060,
	D40	FIRE PROTECTION						
	D40	FIRE PROTECTION, GENERALLY						
	•	Sprinkler system	57,248	gsf	4.50	257,616		
		SUBTOTAL					257,616	
Г		TOTAL - FIRE PROTECTION						\$257
		TOTAL - PIKE I KOTECTION						Ψ-3/
_			1					
L	D50	ELECTRICAL						
	D5010	COMPLETE ELECTRICAL SYSTEM						
		Electrical system; complete	57,248	gsf	28.00	1,602,944		
		SUBTOTAL					1,602,944	
ſ		TOTAL - ELECTRICAL						\$1,602,
-								
Г	E10	EQUIPMENT						
_		DOLUMENT GENERALLY	•					
	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	4	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	1	ls	150,000.00	150,000		
		controls	1	13	100,000.00	130,000		
		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,				FF+E		
		v v				FF+E	506,200	

TOTAL - EQUIPMENT

339

340 341 \$506,200



358 359

360

361

362 363

364 365 366

367 368

369

370

371 372

373

374

375 376

Bourne Elementary Schools Design Options Bourne, MA

07-Mar-16

Feasibility Design Submission GFA 57.248

	CSI					UNIT	EST'D	SUB	TOTAL		
	CODE		DESCRIPTION	QTY	UNIT	COST	COST	TOTAL	COST		
	OPTION 1A - NEW ELEMENTARY SCHOOL										
343											
344		_	THE THE TAXABLE OF TAXABLE OF THE TAXABLE OF TAXABL								
		E2010	FIXED FURNISHINGS								
345			Entry mats & frames - recessed with carpet/rubber strips	500	sf	45.00	22,500				
346			Manual operated roller shades	11,504	sf	6.00	69,024				
347			Counters, base cabinets, tall storage in classrooms and other rooms	57,248	gsf	6.00	343,488				
348			SUBTOTAL					435,012			
349								,-			
350]	E2020	MOVABLE FURNISHINGS								
351			All movable furnishings to be provided and installed								
			by owner								
352			SUBTOTAL					NIC			
353											
354			TOTAL - FURNISHINGS						\$435,012		
355	<u> </u>										
356											
357		F10	SPECIAL CONSTRUCTION								

SPECIAL CONSTRUCTION F10 No Work in this section SUBTOTAL

TOTAL - SPECIAL CONSTRUCTION

SELECTIVE BUILDING DEMOLITION F20

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





Feasibility Design Submission

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
SITEV	WORK OPTION 1A						
	G SITEWORK						

G10	SITE PREPARATION & DEMOLITION					
	Site Demolitions and Relocations	C 0 = =	16	14.00	40.000	
	Site construction fence	2,900	lf -c	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 SUBTOTAL	1	ls	10,000.00	10,000	\$294 027
	SUBTOTAL					\$384,937
G20	SITE IMPROVEMENTS					
020	Roadways and Parking Lots					
	Bituminous concrete paving	100,821				
	gravel base; 12" thick	3,734	cy	35.00	130,690	
	bituminous concrete; 4" thick	3,/3 4 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	•	13	3,000.00	3,000	\$664,197
	SCETOTAL					0004,107
	Pedestrian paving					
	Bituminous concrete paving	10,000	sf			
	gravel base; 12" thick	370	cy	35.00	12,950	
	bituminous concrete; 3" thick	1,111	-	28.00	31,108	
	Concrete Pavers	1,111	sy	20.00	31,100	
	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	-5° 56	cy	22.00	1,232	
	concrete base; 4" thick	9,500	sf	5.00	47,500	
	concrete blase, 1 tillex	9,300	51	0.00	17,000	
	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	10	ls	75,000.00	75,000	
	Scatting wants	1			116,160	
	Segmented block retaining walls	9 119	cf.	22 (11)		
	Segmented block retaining walls Dumpster enclosure	2,112	sf If	55.00 60.00		
	Dumpster enclosure	100	lf	60.00	6,000	
	9					





Bourne Elementary Schools Design Options Bourne, MA

Feasibility Design Submission

C	CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
	SITEWORK (OPTION 1A						
61		<u>Tennis Courts</u>	24,200					
62		Gravel base - 12" thick	896	cy	35.00	31,360		
63		Tennis court surface - color coated acrylic over asphalt	2,689	sy	42.00	112,938		
64		Nets and posts	4	courts	900.00	3,600		
65		Vinyl CL Fencing; 10'	643	lf	55.00	35,365		
66		Gate, single	2	ea	1,200.00	2,400		
67		Landscaping & Plantings:						
68		Spread existing amended topsoil @ seeded areas	1,852	cy	22.00	40,744		
69		New seeded areas - L&S	100,000	sf	0.20	20,000		
70		Trees	17	ea	1,000.00	17,000		
71		Shrubs/plantings and Groundcover	1	ls	25,000.00	25,000		
72		SUBTOTAL					\$947,617	
73	_							
74 75	G30	CIVIL MECHANICAL UTILITIES Water supply						
76		New fire DI piping; 8"	260	lf	80.00	20,800		
77		New fire DI piping; 6"	260	lf	70.00	18,200		
78		New fire hydrant	2	loc	2,600.00	5,200		
79		FD connection	1	loc	2,000.00	2,000		
80		Gate valves	4	loc	750.00	3,000		
81		Connect to existing line (Wet Taps)	1	loc	5,000.00	5,000		
82		Sanitary sewer						
83		8" sewer	300	lf	48.00	14,400		
84		Connect to existing	1	loc	1,500.00	1,500		
85		6,000 gal grease trap	1	loc	12,000.00	12,000		
86		SMH	3	loc	4,000.00	12,000		
87		Storm Sewer						
88		Allowance for stormwater management	1	ls	350,000.00	350,000		
89		Gas and Telecom service						
90		E&B trench for new lines, pipe and install by utilities						
91		New gas service	250	lf	25.00	6,250		
92		New telecom service	250	lf	25.00	6,250		
93		SUBTOTAL					\$456,600	
94 95	G40	SITE ELECTRICAL						
96	040	Power						
97		Tap main power source	1	ea	3,000.00	3,000		
98		Primary ductbank	250	lf	65.00	16,250		
99		Primary cabling			Ţ	Jtility company		
100		Pad mounted transformer			Ţ	Jtility company		
101		Transformer pad	1	ea	3,000.00	3,000		
102		Secondary ductbank						
103		Secondary ductbank cabling	50	lf	300.00	15,000		
104		Generator ductbank						
105		Generator ductbank	50	lf	250.00	12,500		
106		Communications						
107		Communications ductbank	250	lf	85.00	21,250		
108		Site Lighting/Power						
109		Site lighting, roadway, parking, pathways and landscaping	1	ls	60,000.00	60,000		
110		SUBTOTAL					\$131,000	
111								
112 113	SUBTO	TAL SITE DEVELOPMENT OPTION 1A						\$2,844,111



Feasibility Design Submission

07-Mar-16

		CONSTRUCTI	ON COST SUMM	ARY		
	BUILDING	SYSTEM	SUB-TOTAL	TOTAL	\$/SF	%
OPTION	2A - NEV	W ADDITION TO ELEMENTARY SO	CHOOL			
A10		DATIONS				
	A1010	Standard Foundations	\$604,683			
	A1020	Special Foundations	\$0			
	A1030	Lowest Floor Construction	\$379,456	\$984,139	\$21.17	7.4%
A20	BASEM	IENT CONSTRUCTION				
	A2010	Basement Excavation	\$0			
	A2020	Basement Walls	\$0	\$0	\$0.00	0.0%
В10	SUPER	STRUCTURE				
	B1010	Upper Floor Construction	\$752,516			
	B1020	Roof Construction	\$872,764	\$1,625,280	\$34.96	12.2%
B20	EXTER	IOR CLOSURE				
	B2010	Exterior Walls	\$1,563,322			
	B2020	Windows	\$1,476,830			
	B2030	Exterior Doors	\$58,541	\$3,098,693	\$66.65	23.2%
В30	ROOFI	NG				
O -	B3010	Roof Coverings	\$829,620			
	B3020	Roof Openings	\$12,500	\$842,120	\$18.11	6.3%
C10	INTER	IOR CONSTRUCTION				
	C1010	Partitions	\$981,733			
	C1020	Interior Doors	\$185,972			
	C1030	Specialties/Millwork	\$321,837	\$1,489,542	\$32.04	11.2%
C20	STAIR	CASES				
	C2010	Stair Construction	\$42,000			
	C2020	Stair Finishes	\$7,330	\$49,330	\$1.06	0.4%
Сзо	INTER	IOR FINISHES				
- 0 -	C3010	Wall Finishes	\$232,465			
	C3020	Floor Finishes	\$325,451			
	C3030	Ceiling Finishes	\$325,451	\$883,367	\$19.00	6.6%
D10	CONVE	EYING SYSTEMS				
	D1010	Elevator	\$0	\$0	\$0.00	0.0%
D20	PLUME	BING				
	D20	Plumbing	\$557,916	\$557,916	\$12.00	4.2%

GFA

46,493



Feasibility Design Submission

07-Mar-16

	BUILDING	SYSTEM	$SUB ext{-}TOTAL$	TOTAL	\$/SF	%
TION	2A - NEV	V ADDITION TO ELEMENTARY SCHO	OOL		.,	
D30	HVAC D30	HVAC	61 679 740	\$4.6 - 0. -49	\$26.00	19 50/
	מס	HVAC	\$1,673,748	\$1,673,748	\$36.00	12.5%
D40	FIRE P	ROTECTION				
	D40	Fire Protection	\$209,219	\$209,219	\$4.50	1.6%
D50	ELECTI	RICAL				
	D5010	Complete System	\$1,301,804	\$1,301,804	\$28.00	9.8%
E10	EQUIP					
	E10	Equipment	\$281,200	\$281,200	\$6.05	2.1%
E20	FURNIS	SHINGS				
	E2010	Fixed Furnishings	\$352,860			
	E2020	Movable Furnishings	NIC	\$352,860	\$7.59	2.6%
F10	SPECIA					
	F10	Special Construction	\$0	\$0	\$0.00	0.0%
F20	HAZMA	AT REMOVALS				
	F2010	Building Elements Demolition	\$0			
	F2020	Hazardous Components Abatement	\$0	\$0	\$0.00	0.0%
<i>TOT</i> 1	L DIDE	CT COST (Trade Costs)		\$13,349,218	\$287.12	100.0%

GFA



Feasibility Design Submission

rne Elementary Schools 07-Mar-16

C	SI				UNIT	EST'D	SUB	TOTAL
C	ODE	DESCRIPTION	OTV	UNIT	COST	COST	TOTAL	COST

GROSS FLOOR	AREA (CALCIII	ATION

First Floor 26,563 Second Floor 19,930

	Second Flo	oor		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	

GFA



Feasibility Design Submission

07-Mar-16

	CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
		NEW ADDITION TO ELEMENTARY SCHOOL	QII	CIVII	C031	COSI	TOTAL	C031
56		Allowance for foundations against existing building	293	lf	340.00	99,620		
56		SUBTOTAL					604,683	
57								
58	A1020	SPECIAL FOUNDATIONS						
59 60		No Work in this section						
61		SUBTOTAL						
62	A1030	LOWEST FLOOR CONSTRUCTION						
63		New Slab on grade, 5" thick						
64		Structural gravel fill, 8"	656	cy	30.00	19,680		
65		Base course, 8" gravel	656	cy	35.00	22,960		
66		Rigid insulation	26,563	sf	2.25	59,767		
67		Vapor barrier	26,563	sf	0.75	19,922		
68		Under slab drainage -allow	26,563	sf	2.50	66,408		
69		Mesh reinforcing 15% lap	30,547	sf	0.80	24,438		
70		Concrete - 5" thick	434	cy	125.00	54,250		
71		Placing concrete	434	cy	45.00	19,530		
72		Finishing and curing concrete	26,563	sf	1.50	39,845		
73		Control joints - saw cut	26,563	sf	0.10	2,656		
74		Miscellaneous						
75		New Elevator pits	1	ea	25,000.00	25,000		
76		New loading dock - allow	1	ls	20,000.00	20,000		
77		Equipment pads - allow	1	ls	5,000.00	5,000		
78		SUBTOTAL					379,456	
79								
80		TOTAL - FOUNDATIONS						\$984,139
81								
82								
83	A20	BASEMENT CONSTRUCTION	1					
84	<u> </u>		_					
85	A2010	BASEMENT EXCAVATION						
86		No items in this section						
87		SUBTOTAL					-	
88								
89 90	A2020	BASEMENT WALLS						
91		No items in this section						
92		SUBTOTAL					-	
93		TOTAL - BASEMENT CONSTRUCTION						
94		DIDENTIFIC CONSTRUCTION						
95								
96	B10	SUPERSTRUCTURE	1					
97	L		12	lbs/sf				
98	B1010	FLOOR CONSTRUCTION	289	tns				
99		Floor Structure - Steel:						
100		Steel beams and columns; 13/SF	130	tns	3,400.00	442,000		
101		Shear studs	3,986	ea	2.50	9,965		
102		Floor Structure						
103		3" Metal floor Deck	19,930	sf	4.00	79,720		
104		WWF reinforcement	22,920	sf	0.80	18,336		
105			_					

Concrete Fill to metal deck; 5 1/4" Light weight

Place and finish concrete

Fire proofing to columns and beams

Misc. perimeter angles

 $\underline{Miscellaneous}$

105

106

107

108

109

318

950

19,930

19,930

cy

sf

lf

 $\mathbf{s}\mathbf{f}$

170.00

2.00

25.00

2.50

54,060

39,860

23,750

49,825

GFA



Bourne Elementary Schools Design Options Bourne, MA

Feasibility Design Submission GFA 46,493

	CSI CODE DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
	OPTION 2A - NEW ADDITION TO ELEMENTARY SCHOOL			•		•	
109	Reinforce existing roof for new floor	1	ls	30,000.00	30,000		
110	Fire stopping floors	1	flrs	5,000.00	5,000		
111	SUBTOTAL					752,516	
112							
113	B1020 ROOF CONSTRUCTION						
114	Roof Structure - Steel:						
115	Steel beams/Joists; 12#/SF	159	tns	3,400.00	540,600		
116	Roof Structure						
117	3" Metal floor Deck @ roof	15,263	sf	4.00	61,052		
118	Acoustic deck at gym, 3", type NA	11,300	sf	7.00	79,100		
119	Roof Structure @ Mech Equipment/Low roof						
120	WWF reinforcement	9,315	sf	0.80	7,452		
121	Concrete Fill to metal deck; 5 1/4" Light weight	129	cy	170.00	21,930		
122	Place and finish concrete	8,100	sf	3.00	24,300		
123	<u>Miscellaneous</u>						
124	Canopy framing - allow	1	ls	30,000.00	30,000		
125	Roof screen framing - allow	1,100	sf	20.00	22,000		
126	Fire proofing to columns, beams and deck	26,563	sf	3.25	86,330		
127	SUBTOTAL					872,764	
128							
129	TOTAL - SUPERSTRUCTURE						\$1,625,280

B20	EXTERIOR CLOSURE					
D	EVERPLOR WALLS	_	C			
B2010	EXTERIOR WALLS Interior skin	20,433	sf			
	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	,,, 3				
	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 Curtainwall	14,227	sf	110.00	699 600	
		5,660	sf	50,000.00	622,600 50,000	
	Premium for sunscreen and light shelf elements Windows/storefront	1 0 =4=	ls sf	85.00	50,000 728,195	
		8,567		60.00		
	Louvers (allowance) Backer rod & double sealant	250	sf lf	9.00	15,000 42,255	
	Wood blocking at openings	4,695	lf	4.00	18,780	

07-Mar-16



Feasibility Design Submission

urne Elementary Schools

CODE	NT - 4 N	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
OPTIO	N 2A - N	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		lf	9.00	1,413		
			157	lf	4.00	628		
		Wood blocking at openings SUBTOTAL	157	11	4.00	020	EO E 11	
		SUBTUTAL					58,541	
		TOTAL - EXTERIOR CLOSURE						\$3,098,69
_								
_								
L	В30	ROOFING						
	B3010	ROOF COVERINGS						
	•	<u>Flat roofing</u>						
		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	
Г		TOTAL - ROOFING						\$842,1
L		TOTAL - ROOTENO						Ψ042,1
_								
	C10	INTERIOR CONSTRUCTION						
	C1010	PARTITIONS						
	C1010	Reinforced masonry shear walls at Gymnasium &	2,910	sf	23.00	66,930		
		Stage	=,910	51	20.00	00,000		
		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	. ,1,50	J		,	981,733	
							2 2 1, 1 0 0	
		INTERIOR DOORS						

GFA



rne Elementary Schools 07-Mar-16

				UNIT	EST'D	SUB	TOTAL
TION 2A -	DESCRIPTION NEW ADDITION TO ELEMENTARY SCHOOL	QTY	UNIT	COST	COST	TOTAL	COST
HON 2A	Allowance for specialty doors, doors and hardware	46,493	gsf	4.00	185,972		
	Amovance for specialty doors, doors and nardware	40,493	531	4.00	100,072		
	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'	46,493	sf	1.00	46,493		
	tackboard w/ 8' markerboard in each Educational space						
	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	40,493	31	1.23	30,110	321,837	
						321,037	
	TOTAL - INTERIOR CONSTRUCTION						\$1,489
		_					
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	
Canan	CTAIR FINIGHES						
C2020	STAIR FINISHES High performance coating to stairs including all	1	flt	3,000.00	3,000		
	railings etc.						
	Rubber tile at stairs - landings	150	sf	12.00	1,800		
	Rubber tile at stairs - treads & risers	115	lft	22.00	2,530		
						7,330	
	SUBTOTAL						
							\$49
	SUBTOTAL						\$49
C30	SUBTOTAL]					\$49
	SUBTOTAL TOTAL - STAIRCASES]					\$49
	SUBTOTAL TOTAL - STAIRCASES INTERIOR FINISHES	46,493	gsf	5.00	232,465		\$49
	SUBTOTAL TOTAL - STAIRCASES INTERIOR FINISHES WALL FINISHES	46,493	gsf	5.00	232,465	232,465	\$49
	INTERIOR FINISHES WALL FINISHES Allowance for wall finishes	46,493	gsf	5.00	232,465	232,465	\$49:
C3010	INTERIOR FINISHES WALL FINISHES Allowance for wall finishes	46,493	gsf	5.00	232,465	232,465	\$49:
C3010	TOTAL - STAIRCASES INTERIOR FINISHES WALL FINISHES Allowance for wall finishes SUBTOTAL	46,493 46,493	gsf	5.00	232,465 325,451	232,465	\$49
C3010	TOTAL - STAIRCASES INTERIOR FINISHES WALL FINISHES Allowance for wall finishes SUBTOTAL FLOOR FINISHES					232,465 325,451	\$49
C3010	TOTAL - STAIRCASES INTERIOR FINISHES WALL FINISHES Allowance for wall finishes SUBTOTAL FLOOR FINISHES Allowance for floor finishes SUBTOTAL						\$49 _:
C3010	TOTAL - STAIRCASES INTERIOR FINISHES WALL FINISHES Allowance for wall finishes SUBTOTAL FLOOR FINISHES Allowance for floor finishes SUBTOTAL CEILING FINISHES	46,493	gsf	7.00	325,451		\$49,
C3010	TOTAL - STAIRCASES INTERIOR FINISHES WALL FINISHES Allowance for wall finishes SUBTOTAL FLOOR FINISHES Allowance for floor finishes SUBTOTAL						\$49



334

335

Bourne Elementary Schools Design Options

07-Mar-16

	sign Submission					GFA	46
SI ODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
PTION 2A	- NEW ADDITION TO ELEMENTARY SCHOOL						
	TOTAL - INTERIOR FINISHES						\$883,3
D10	O CONVEYING SYSTEMS	1					
Dioi	ELEVATOR	=					
Dioi	O ELEVATOR SUBTOTAL					-	
	TOTAL CONTENTS OVOTEMO						
	TOTAL - CONVEYING SYSTEMS						
		7					
D20	o PLUMBING	J					
D20							
	Plumbing; complete system	46,493	gsf	12.00	557,916		
	SUBTOTAL					557,916	
	TOTAL - PLUMBING						\$557,
D30	O HVAC	1					
ν_{30}		J					
D30		46 400	gof	36.00	1 679 740		
	HVAC complete system SUBTOTAL	46,493	gsf	30.00	1,673,748	1,673,748	
	SOBIOTAL					1,070,740	
	TOTAL - HVAC						\$1,673,
D40	O FIRE PROTECTION]					
D40	o FIRE PROTECTION, GENERALLY						
•	Sprinkler system	46,493	gsf	4.50	209,219		
	SUBTOTAL					209,219	
	TOTAL - FIRE PROTECTION						\$209,
							, - 27
_ n	TV FOURDY CALL	7					
D50	o ELECTRICAL	J					
D501	10 COMPLETE ELECTRICAL SYSTEM						
	Electrical system; complete	46,493	gsf	28.00	1,301,804		
	SUBTOTAL					1,301,804	
	TOTAL - ELECTRICAL						\$1,301,8
E10	O EQUIPMENT	1					
<u> </u>		4					
E10	,	_	la.	10,000.00	10,000		
	Gym wall pads Basketball backstops; swing up; electric operated	1	ls	9,800.00	10,000 39,200		
		4	ea loc		45,000		
	Gymnasium dividing net; electrically operated	1	loc	45,000.00 2,000.00	2,000		
	Volleyball net and standards	1	ea le				
	Telescoping bleachers Theothical Equipment Store curtains, rigging and	1	ls le	25,000.00	25,000 In Bono		
	Theatrical Equipment Stage curtains, rigging and controls	1	ls		In Reno		
		1	ls		In Reno		
		1	ls	150,000.00	150,000		
		•		.,	FF+E		
	LED monitors, Digital information displays etc.)				-		
	Stage lighting and dimming Food Service equipment Electrically operated projection screens AV Equipment (including Smartboards, Projectors,			150,000.00 10,000.00	150,000 10,000	281 200	

SUBTOTAL



Feasibility Design Submission

07-Mar-16

CSI				UNIT	EST'D	SUB	TOTAL			
CODE	DESCRIPTION	QTY	UNIT	COST	COST	TOTAL	COST			
OPTIO	OPTION 9A - NEW ADDITION TO ELEMENTARY SCHOOL									

L	DESCRIPTION	QII	UNII	COSI	COSI	IOIAL	COST
ΓΙΟΝ 2A - I	NEW ADDITION TO ELEMENTARY SCHOOL						
	TOTAL - EQUIPMENT						\$281,20
E20	FURNISHINGS						
220	10101001111100						
E2010	FIXED FURNISHINGS Entry mats & frames - recessed with carpet/rubber	500	sf	45.00	22,500		
	strips						
	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	
Fanan	MOVABLE FURNISHINGS						
12020	All movable furnishings to be provided and installed by owner						
	SUBTOTAL					NIC	
	TOTAL - FURNISHINGS						\$352,8
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

368

369 370

371

372 373

TOTAL - SELECTIVE BUILDING DEMOLITION

GFA



Feasibility Design Submission

07-Mar-16

		CONSTRUCTION	ON COST SUMMA	NRY		
	BUILDING		SUB-TOTAL	TOTAL	\$/SF	%
OPTION	2A - REN	NOVATION TO ELEMENTARY SCH	OOL			
A10		DATIONS				
	A1010	Standard Foundations	\$0			
	A1020	Special Foundations	\$0			
	A1030	Lowest Floor Construction	\$99,290	\$99,290	\$1.46	2.3%
A20	BASEM	IENT CONSTRUCTION				
	A2010	Basement Excavation	\$0			
	A2020	Basement Walls	\$0	\$0	\$0.00	0.0%
B10	SUPER	STRUCTURE				
	B1010	Upper Floor Construction	\$20,000			
	B1020	Roof Construction	\$0	\$20,000	\$0.29	0.5%
B20	EXTER	IOR CLOSURE				
	B2010	Exterior Walls	\$232,262			
	B2020	Windows	\$0			
	B2030	Exterior Doors	\$0	\$232,262	\$3.41	5.4%
Взо	ROOFI	NG				
0 -	B3010	Roof Coverings	\$147,000			
	B3020	Roof Openings	\$0	\$147,000	\$2.16	3.4%
C10	INTER	IOR CONSTRUCTION				
	C1010	Partitions	\$325,732			
	C1020	Interior Doors	\$167,800			
	C1030	Specialties/Millwork	\$280,855	\$774,387	\$11.37	17.9%
C20	STAIR	CASES				
	C2010	Stair Construction	\$0			
	C2020	Stair Finishes	\$14,660	\$14,660	\$0.22	0.3%
С30	INTER	IOR FINISHES				
-0-	C3010	Wall Finishes	\$297,450			
	C3020	Floor Finishes	\$252,700			
	C3030	Ceiling Finishes	\$159,296	\$709,446	\$10.42	16.4%
D10	CONVE	CYING SYSTEMS				
	D1010	Elevator	\$0	\$0	\$0.00	0.0%
D20	PLUME	BING				
	D20	Plumbing	\$219,600	\$219,600	\$3.22	5.1%

GFA



07-Mar-16

Feasibility Design Submission GFA 68,100

		CONSTRUCTION	COST SUMMA	ARY		
	BUILDING		SUB-TOTAL	TOTAL	\$/SF	%
TION	2A - REN	NOVATION TO ELEMENTARY SCHOOL	L			
D30	HVAC					
	D30	HVAC	\$882,600	\$882,600	\$12.96	20.4%
D40	FIRE P	ROTECTION				
	D40	Fire Protection	\$136,200	\$136,200	\$2.00	3.1%
D50	ELECTI	RICAL				
	D5010	Complete System	\$735,500	\$735,500	\$10.80	17.0%
E10	EQUIP	MENT				
	E10	Equipment	\$115,125	\$115,125	\$1.69	2.7%
E20	FURNIS	SHINGS				
	E2010	Fixed Furnishings	\$123,300			
	E2020	Movable Furnishings	NIC	\$123,300	\$1.81	2.8%
F10	SPECIA	L CONSTRUCTION				
	F10	Special Construction	\$0	\$0	\$0.00	0.0%
F20	HAZMA	AT REMOVALS				
	F2010	Building Elements Demolition	\$126,401			
	F2020	Hazardous Components Abatement	\$0	\$126,401	\$1.86	2.9%
TOTA	I. DIRF	CT COST (Trade Costs)		\$4,335,771	\$63.67	100.0%



12

13

17

19

20 PR

21

22

23

24

25

26 27

29 30

31 32

33

34

35

37

38

39

44 45

46

49

50 51

52

54 55

PR 47

PR

Bourne Elementary Schools Design Options Bourne, MA

Feasibility Design Submission

09-Dec-15

EST'D SUB UNIT TOTAL CODE DESCRIPTION QTY TOTAL 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 5.00 Assumed Not 49,645 sf seismic upgrades Required

SUBTOTAL

A1020 SPECIAL FOUNDATIONS

No Work in this section

SUBTOTAL

A1030 LOWEST FLOOR CONSTRUCTION

Allowance for patching of existing slabs disturbed by 2.00 99,290 49,645

new work

Miscellaneous

New Elevator pits 25,000.00 In Addition In Addition New loading dock - allow ls 20,000.00

Equipment pads - allow 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

TOTAL - SUPERSTRUCTURE

B10 SUPERSTRUCTURE

B1010 FLOOR CONSTRUCTION

Assumed Not Allowance for seismic upgrades 49,645 8.00 sf

Required

New penetrations to existing structure ls 15,000.00 15,000

Fire stopping floors flrs 5,000.00 5,000

SUBTOTAL 20,000

B1020 ROOF CONSTRUCTION

Allowance for seismic upgrades 18,455 8.00 Assumed Not

Required

SUBTOTAL

\$20,000

GFA

68.100



CSI CODE DESCRIPTION
OPTION 2A - RENOVATION TO ELEMENTARY SCHOOL

09-Dec-15

TOTAL COST

Feasibility Design Submission GFA 68,100

UNIT

QTY

UNIT COST EST'D COST SUB TOTAL

56 57									
57 58		B20	EXTERIOR CLOSURE						
59		D2 0	EATERIOR CEOSCIE						
60 61		B2010	EXTERIOR WALLS Miscellaneous						
61	PR		Demolition/ create opes/ tie in at existing exterior closure @ connection to new additions	224	sf	25.00	5,600		
60	RJ		Clean CMU stains/Mildew and seal	18,596	sf	9.50	176,662		
61	RJ		Clean precast stains/Mildew	1	ls	15,000.00	15,000		
61	BT		Precast sills rake and repoint	1	ls	20,000.00	20,000		
62	BT		Replace masonry control joint	1,000	lf	15.00	15,000		
63			SUBTOTAL					232,262	
64									
65 66		B2020	WINDOWS		c	100.00	EID		
67			Curtainwall replace existing		sf	120.00	ETR		
			Windows/storefront replace existing		sf	85.00	ETR		
68 69			Backer rod & double sealant		lf	9.00	ETR		
70			Wood blocking at openings		lf	4.00	ETR		
71			SUBTOTAL					-	
72 73		B2030	EXTERIOR DOORS Glazed entrance doors including frame and hardware; double door		pr	8,000.00	ETR		
74			HM doors, frames and hardware- Double		pr	3,600.00	ETR		
75			HM doors, frames and hardware- Single		ea	1,800.00	ETR		
76			Coiling door at Loading dock		ls	7,500.00	ETR		
77			Backer rod & double sealant		lf	9.00	ETR		
78			Wood blocking at openings		lf	4.00	ETR		
79			SUBTOTAL					-	
80									
81 82			TOTAL - EXTERIOR CLOSURE						\$232,262
83									
84		Взо	ROOFING						
85 86		Danie	BOOK COVERINGS						
87		В3010	ROOF COVERINGS Flat roofing						
88			Remove existing roof membrane down to insulation	49,645	sf	3.00	ETR		
89			PVC roof membrane fully adhered	49,645	sf	7.50	ETR		
90			Insulation	49,645	sf	6.00	ETR		
91			1/2" dens-deck protection board	49,645	sf	2.00	ETR		
92			Reinforced vapor barrier	49,645	sf	1.00	ETR		
93			Rough blocking	1	lf	6.00	ETR		
94			Miscellaneous Roofing						
95	BT		Repair existing roofing	1	ls	120,000.00	120,000		
96	BT		Roof flashing repair at low roofs	300	lf	90.00	27,000		
96			Roof ladders	1	ls	3,000.00	ETR		
97			Walk pads	1	ls	7,500.00	ETR		
98			SUBTOTAL					147,000	
99 100		Dece-	PAGE OPENINGS						
101		ь3020	ROOF OPENINGS Roof hatch	1	loc	2,500.00	ETR		
102			SUBTOTAL		100	2,000.00	1110	_	
103									
104			TOTAL - ROOFING						\$147,000



Feasibility Design Submission

rne Elementary Schools 09-Dec-15

CSI CODE		DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
)N 2A - I	RENOVATION TO ELEMENTARY SCHOOL	•	1	l.	1	<u>'</u>	* *
-								
	C10	INTERIOR CONSTRUCTION						
	C1010	PARTITIONS						
PR		Allowance to modify/replace existing partitions at	15,800	sf	18.00	284,400		
		extensive renovation						
PR		Allowance for minor patching at existing partitions at	1	ls	41,332.00	41,332		
		minimal renovation						
		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 reposition	5 0.000	act	2.00	104 600		
110		Allowance for ADA hardware at minimal renovation areas	52,300	gsf	2.00	104,600		
		SUBTOTAL					167,800	
DD.	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'	15,800	sf	1.00	15,800		
		tackboard w/ 8' markerboard in each Educational						
		space						
		Building directory	1	loc	3,000.00	In Addition		
DD.		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		
BT		Library shelving			0.000.00	F,F & E		
D1		Student cubbies in classrooms	20	rms	6,000.00	120,000		
PR		Display cases	1	ls -C	15,000.00	ETR		
PR		Miscellaneous metals throughout building	68,100	sf	0.75	51,075		
110		Miscellaneous sealants throughout building	68,100	sf	0.50	34,050	990 055	
		SUBTOTAL					280,855	
		TOTAL - INTERIOR CONSTRUCTION						\$774,
_								
Г	C20	STAIRCASES						
L								
	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	2	flt	3,000.00	6,000		
DD		railings etc.	_	c	10.00	0.000		
PR PR		Rubber tile at stairs - landings	300	sf	12.00	3,600		
1 IL		Rubber tile at stairs - treads & risers	230	lft	22.00	5,060	14.000	
		SUBTOTAL					14,660	

GFA



Feasibility Design Submission

urne Elementary Schools 09-Dec-15

CSI CODE		DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
OPTIO)N 2A - l	RENOVATION TO ELEMENTARY SCHOOL						
Г	Сзо	INTERIOR FINISHES						
L								
PR	C3010	WALL FINISHES Allowance for wall finishes at extensive renovation	15 800	ggf	5.00	79,000		
PR		Allowance for Plam wainscot in corridors	15,800	gsf sf	35.00	140,000		
RJ			4,000		1.50	78,450		
		Allowance for painting at minor renovation SUBTOTAL	52,300	gsf	1.50	78,430	297,450	
		SUBTOTAL					231,430	
	C3020	FLOOR FINISHES						
PR		Allowance for floor finishes at extensive renovation	15,800	gsf	7.00	110,600		
3T		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	-0-0-	Allowance for ceiling finishes at extensive renovation	15,800	sf	7.00	110,600		
ЭT		All 6 de 2 de		•				
BT DD		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	150 000	
		SUBTOTAL					159,296	
Γ		TOTAL - INTERIOR FINISHES						\$709,4
L								
г	D10	CONVEYING SYSTEMS						
L	טוט	CONVETINGSISTEMS						
	D1010	ELEVATOR						
		SUBTOTAL					-	
Γ		TOTAL - CONVEYING SYSTEMS						
_								
	D20	PLUMBING						
_	D20	PLUMBING, GENERALLY						
PR	D2U	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	
Г		TOTAL - PLUMBING						\$219,6
L		TOTAL - I LUMBING						Ψ219,0
_								
L	<i>D</i> 30	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	999 999	
		SUBTOTAL					882,600	
		TOTAL - HVAC						\$882,6
	D40	FIRE PROTECTION						
	D40	FIRE PROTECTION, GENERALLY						
	D40	Sprinkler system; modify existing	68,100	gsf	2.00	136,200		
PR							136,200	
PR		SUBTOTAL					100,200	
'R							100,200	
'n.		SUBTOTAL TOTAL - FIRE PROTECTION					100,200	\$136,2

D5010 COMPLETE ELECTRICAL SYSTEM

216 217 GFA



09-Dec-15

CSI				 	UNIT	EST'D	SUB	TOTAL
CODE		DESCRIPTION CONTROL OF THE PARTY OF THE PART	QTY	UNIT	COST	COST	TOTAL	COST
	JN 2A - F	RENOVATION TO ELEMENTARY SCHOOL	_					
PR		Electrical system; complete at extensive renovation	15,800	gsf	30.00	474,000		
PR		Electrical modifications at minor renovation	52,300	gsf	5.00	261,500		
		SUBTOTAL					735,500	
_								
		TOTAL - ELECTRICAL						\$735,
Ī	E10	EQUIPMENT						
_	Ero	EQUIDMENT CENEDALLY						
	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		
PR		Theatrical Equipment Stage curtains, rigging and	1	ls	75,000.00	75,000		
		controls	-		.,===.00	, 0 0 0		
PR		Stage lighting and dimming	1	ls	29,000.00	29,000		
		Food Service equipment	1	ls	350,000.00	In Addition		
PR		Electrically operated projection screens	1	loc	11,125.00	11,125		
		AV Equipment (including Smartboards, Projectors,				FF+E		
		LED monitors, Digital information displays etc.)						
		SUBTOTAL					115,125	
Ī		TOTAL - EQUIPMENT						\$115
L								, 0
Г	E20	FURNISHINGS						
L	E20	TORNISHINGS						
	E2010	FIXED FURNISHINGS						
PR		Entry mats & frames - recessed with carpet/rubber strips	500	sf	45.00	22,500		
ВТ		Rollar shades at door vision lights	40	ea	150.00	6,000		
		Manual operated roller shades		sf	6.00 E	TR		
PR		Counters, base cabinets, tall storage in classrooms and other rooms at extensive renovations	15,800	gsf	6.00	94,800		
		SUBTOTAL					123,300	
	E2020	MOVABLE FURNISHINGS						
		All movable furnishings to be provided and installed						
		by owner SUBTOTAL					NIC	
_							NIC	
		TOTAL - FURNISHINGS						\$123,
Γ	F10	SPECIAL CONSTRUCTION						
Ļ		CDECIAL CONCEDITORY						
	F10	SPECIAL CONSTRUCTION No Work in this section						
		SUBTOTAL						
-								
Ĺ		TOTAL - SPECIAL CONSTRUCTION						
	F20	SELECTIVE BUILDING DEMOLITION						
	F2010	BUILDING ELEMENTS DEMOLITION						
PR	1 2010	Extensive demolition of renovation areas; finishes, doors, MEP systems, casework and specialties at	15,800	sf	8.00	126,400		



Feasibility Design Submission

gn Options

	CSI	1			UNIT	EST'D	SUB	TOTAL
	CODE	DESCRIPTION	QTY	UNIT	COST	COST	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	TO'	TAL - SELECTIVE BUILDING DEMOLITION						\$126,401

09-Dec-15

68,100

GFA





Feasibility Design Submission

CSI				UNIT	EST'D	SUB	TOTAL
CODE	DESCRIPTION	QTY	UNIT	COST	COST	TOTAL	COST
SITEV	VORK OPTION 2A						

\boldsymbol{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					
		_	1	15 000 00	15,000	
	Construction entrances/wheel washes (allowance)	1	loc	15,000.00 8.00	15,000 19,848	
	Strip topsoil, store on site for reuse Cut/fill	2,481 18,519	cy 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					0407.040
	SUBTOTAL					\$197,019
G20	SITE IMPROVEMENTS					
020	Roadways and Parking Lots					
	Bituminous concrete paving	134,814				
	gravel base; 12" thick		CV	35.00	174,755	
	bituminous concrete; 4" thick	4,993 14,979	cy	25.00	374,475	
	6"x18" granite curb	7,384	sy 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	





115

Bourne Elementary Schools Design Options Bourne, MA

Feasibility Design Submission

CSI CODE SITEWORK O	DESCRIPTION 2A	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
	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			-,	2,222		
	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	, 0					
	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				ility company		
	Pad mounted transformer			Ut	ility 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	



Feasibility Design Submission

Bourne MA

`

			ON COST SUMMA			
OPTION	BUILDING	SYSTEM N ADDITION TO ELEMENTARY S	SUB-TOTAL CHOOL	TOTAL	\$/SF	%
			CHOOL			
A10		DATIONS	0070.010			
	A1010	Standard Foundations	\$676,910			
	A1020	Special Foundations Lowest Floor Construction	\$0	φ ₄ 400 - (0	017.00	0.70/
	A1030	Lowest Floor Construction	\$456,858	\$1,133,768	\$17.92	6.7%
A20	BASEM	IENT CONSTRUCTION				
	A2010	Basement Excavation	\$0			
	A2020	Basement Walls	\$0	\$0	\$0.00	0.0%
В10	SUPER	STRUCTURE				
	B1010	Upper Floor Construction	\$1,116,938			
	B1020	Roof Construction	\$1,047,211	\$2,164,149	\$34.20	12.8%
B20	EXTER	IOR CLOSURE				
	B2010	Exterior Walls	\$1,653,335			
	B2020	Windows	\$1,525,589			
	B2030	Exterior Doors	\$58,541	\$3,237,465	\$51.16	19.1%
В30	ROOFI	NG				
· ·	B3010	Roof Coverings	\$1,006,256			
	B3020	Roof Openings	\$12,500	\$1,018,756	\$16.10	6.0%
C10	INTER	IOR CONSTRUCTION				
	C1010	Partitions	\$1,307,155			
	C1020	Interior Doors	\$253,128			
	C1030	Specialties/Millwork	\$424,738	\$1,985,021	\$31.37	11.7%
C20	STAIR	CASES				
	C2010	Stair Construction	\$42,000			
	C2020	Stair Finishes	\$7,330	\$49,330	\$0.78	0.3%
Сзо	INTER	IOR FINISHES				
-	C3010	Wall Finishes	\$316,410			
	C3020	Floor Finishes	\$442,974			
	C3030	Ceiling Finishes	\$442,974	\$1,202,358	\$19.00	7.1%
D10	CONVE	CYING SYSTEMS				
	D1010	Elevator	\$0	\$0	\$0.00	0.0%
D20	PLUME	BING				
	D20	Plumbing	\$759,384	\$759,384	\$12.00	4.5%

07-Mar-16

63,282

GFA



Feasibility Design Submission

07-Mar-16

	BUILDING	CONSTRUCTION SYSTEM	SUB-TOTAL	TOTAL	\$/SF	%				
TION		V ADDITION TO ELEMENTARY SCHO		1011111	Ψ, ει					
D30	HVAC									
	D30	HVAC	\$2,278,152	\$2,278,152	\$36.00	13.4%				
D40	FIRE P	ROTECTION								
	D40	Fire Protection	\$284,769	\$284,769	\$4.50	1.7%				
D50	ELECTI	RICAL								
	D5010	Complete System	\$1,898,460	\$1,898,460	\$30.00	11.2%				
E10	EQUIP	MENT								
	E10	Equipment	\$481,200	\$481,200	\$7.60	2.8%				
E20	FURNIS	SHINGS								
	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	HAZMA	AT REMOVALS								
	F2010	Building Elements Demolition	\$0							
	F2020	Hazardous Components Abatement	\$0	\$0	\$0.00	0.0%				
		CT COST (Trade Costs)		\$16,952,160	\$267.88	100.0%				

GFA



Bourne Elementary Schools Design Options Bourne, MA

Feasibility Design Submission

rne Elementary Schools 07-Mar-16

CSI				UNIT	EST'D	SUB	TOTAL
CODE	DECOMPONI	OTT	T TRITTE	COCT	COCT	TOTAL	COCT

CODE DESCRIPTION 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	сy	14.00	5,838	
	Backfill with new fill	285	сy	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	сy	55.00	7,260	
	Set anchor bolts grout plates	21	ea	150.00	3,150	
	<u> </u>					

GFA



07-Mar-16

·			1	UNIT	EST'D	SUB	TOTAL
DE	DESCRIPTION	QTY	UNIT	COST	COST	TOTAL	COST
PTION 3A - 1	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	су	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	3=,004	51	0.10	0,200		
	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	•	15	0,000.00	0,000	456,858	
	SOBIOTIE					400,000	
	TOTAL - FOUNDATIONS						\$1,133,7
400	PACEMENT CONCERNICEION	\neg					
A20	BASEMENT CONSTRUCTION						
A2010	BASEMENT EXCAVATION						
	No items in this section						
	SUBTOTAL					-	
A2020	BASEMENT WALLS						
	No items in this section						
	SUBTOTAL					-	
	TOTAL - BASEMENT CONSTRUCTION						
	TOTAL BIBLINIEVI CONSTRUCTION						
B10	SUPERSTRUCTURE						
_	TV OOD GOVGEDVANIES	12	lbs/sf				
B1010	FLOOR CONSTRUCTION	395	tns				
	Floor Structure - Steel:	=		0.460.00	000		
	Steel beams and columns; 13/SF	198	tns	3,400.00	673,200		

Shear studs

Floor Structure

3" Metal floor Deck

WWF reinforcement

Place and finish concrete

Fire proofing to columns and beams

Misc. perimeter angles

 $\underline{Miscellaneous}$

Concrete Fill to metal deck; 5 1/4" Light weight

101

102

103

104

105

106

107

108

109

6,096

30,478

35,050

30,478

30,478

486

951

sf

sf

cy

 \mathbf{sf}

lf

 $\mathbf{s}\mathbf{f}$

2.50

4.00

0.80

2.00

25.00

2.50

170.00

15,240

121,912

28,040

82,620

60,956

23,775



TOTAL - SUPERSTRUCTURE

Bourne Elementary Schools Design Options Bourne, MA

07-Mar-16

Feasi	bility Design Submission					GFA	63,282
CSI CODE		QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
OPT	ION 3A - NEW ADDITION TO ELEMENTARY SCHOOL						
109	Reinforce existing roof for new floor	1	ls	30,000.00	30,000		
110	Fire stopping floors	1	flrs	5,000.00	5,000		
111	SUBTOTAL					1,116,938	
112							
113	B1020 ROOF CONSTRUCTION						
114	Roof Structure - Steel:						
115	Steel beams/Joists; 12#/SF	197	tns	3,400.00	669,800		
116	Roof Structure						
117	3" Metal floor Deck @ roof	21,504	sf	4.00	86,016		
118	Acoustic deck at gym, 3", type NA	11,300	sf	7.00	79,100		
119	Roof Structure @ Mech Equipment/Low roof						
120	WWF reinforcement	9,315	sf	0.80	7,452		
121	Concrete Fill to metal deck; 5 1/4" Light weight	129	cy	170.00	21,930		
122	Place and finish concrete	8,100	sf	3.00	24,300		
123	<u>Miscellaneous</u>						
124	Canopy framing - allow	1	ls	30,000.00	30,000		
125	Roof screen framing - allow	1,100	sf	20.00	22,000		
126	Fire proofing to columns, beams and deck	32,804	sf	3.25	106,613		
127	SUBTOTAL					1,047,211	
128							

B20	EXTERIOR CLOSURE					
_						
B2010	EXTERIOR WALLS Interior skin	21,652	sf			
	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	,,,,			55,551	
	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	100.00	700.00 5	
	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	

\$2,164,149



CSI

Bourne Elementary Schools Design Options Bourne, MA

Feasibility Design Submission

urne Elementary Schools

07-Mar-16
sign Options

UNIT

EST'D

	CSI CODE		DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
		A - N	EW ADDITION TO ELEMENTARY SCHOOL	χ					
163			SUBTOTAL					1,525,589	
164									
165 166	B20		EXTERIOR DOORS Glazed entrance doors including frame and hardware; double door	5	pr	8,000.00	40,000		
167			HM doors, frames and hardware- Double	2	pr	3,600.00	7,200		
168			HM doors, frames and hardware- Single	1	ea	1,800.00	1,800		
169			Coiling door at Loading dock	1	ls	7,500.00	7,500		
170			Backer rod & double sealant	157	lf	9.00	1,413		
171			Wood blocking at openings	157	lf	4.00	628		
172			SUBTOTAL	,				58,541	
173									
174			TOTAL - EXTERIOR CLOSURE						\$3,237,465
175 176									
177	B.c.	20	ROOFING						
178	B 3	30	ROOFING						
179 180	В30		ROOF COVERINGS Flat roofing						
181			PVC roof membrane fully adhered	32,804	sf	7.50	246,030		
182			Insulation	32,804	sf	6.00	196,824		
183			1/2" dens-deck protection board	32,804	sf	2.00	65,608		
184			Reinforced vapor barrier	32,804	sf	1.00	32,804		
185			Rough blocking	1,235	lf	6.00	7,410		
186			Miscellaneous Roofing						
186			Premium for green roof	1,233	sf	30.00	36,990		
187			Premium for sloped roof	10,697	sf	20.00	213,940		
187			Canopies - allow	300	sf	75.00	22,500		
188			Roof screens - allow	1,100	sf	50.00	55,000		
189			Roof fascia/cornice	1,235	lf	90.00	111,150		
190			Roof ladders	1	ls	3,000.00	3,000		
191			Walk pads	1	ls	15,000.00	15,000		
192			SUBTOTAL					1,006,256	
193									
194	В30		ROOF OPENINGS		,	10.000.00	40.000		
195			Skylights, allow	1	ls	10,000.00	10,000		
196			Roof hatch	1	loc	2,500.00	2,500		
197 198			SUBTOTAL					12,500	
199			TOTAL - ROOFING						\$1,018,756
200									. , ,,,
201 202	0.		INTERIOR CONCERNICATION						
203	Cı	10	INTERIOR CONSTRUCTION						
204	C10	010	PARTITIONS						
205			Reinforced masonry shear walls at Gymnasium & Stage	2,910	sf	23.00	66,930		
206			Stairs/Elevator; 2 HR rated	3,220	sf	16.00	51,520		
207			Corridors; GWB with 2 lyrs corridor side	24,066	sf	15.55	374,226		
208			Demising; Metal stud w/ 2 layers gwb	14,784	sf	17.35	256,502		
209			Partitions at Admin spaces, back of house etc.	2,744	sf	15.85	43,492		
210			Partitions at existing exterior wall	5,880	sf	15.00	88,200		
210			Sealants & caulking at partitions	47,724	sf	0.50	23,862		
211			Rough blocking to partitions	3,671	lf	3.00	11,013		
212			Glazed partitions/borrowed lights - allowance	1	ls	75,000.00	75,000		
213			Miscellaneous partitions not yet shown	63,282	gsf	5.00	316,410		
214			SUBTOTAL					1,307,155	
215 216	C10	020	INTERIOR DOORS						

GFA

SUB

63,282

TOTAL



rne Elementary Schools 07-Mar-16

				UNIT	EST'D	SUB	TOTA
ION 2A - I	DESCRIPTION NEW ADDITION TO ELEMENTARY SCHOOL	QTY	UNIT	COST	COST	TOTAL	COS
1011 3/1	Allowance for specialty doors, doors and hardware	63,282	gsf	4.00	253,128		
		3,-3-	8		,	070 100	
	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	_	350.00	7,350		
	O .		ea				
	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	-0,			,	424,738	
	55275712					12 1,100	
	TOTAL - INTERIOR CONSTRUCTION						\$1,98
C20	STAIRCASES						
	STAIR CONSTRUCTION	2	flts	5 000 00	10 000		
	STAIR CONSTRUCTION Stage stairs, wood	2	flts	5,000.00	10,000		
	STAIR CONSTRUCTION Stage stairs, wood Metal pan stair; egress stair	1	flt	30,000.00	30,000		
	STAIR CONSTRUCTION Stage stairs, wood Metal pan stair; egress stair Concrete fill to stairs						
	STAIR CONSTRUCTION Stage stairs, wood Metal pan stair; egress stair	1	flt	30,000.00	30,000	42,000	
C2010	STAIR CONSTRUCTION Stage stairs, wood Metal pan stair; egress stair Concrete fill to stairs SUBTOTAL	1	flt	30,000.00	30,000	42.000	
C2010	STAIR CONSTRUCTION Stage stairs, wood Metal pan stair; egress stair Concrete fill to stairs	1	flt	30,000.00	30,000	42,000	
C2010	STAIR CONSTRUCTION Stage stairs, wood Metal pan stair; egress stair Concrete fill to stairs SUBTOTAL STAIR FINISHES High performance coating to stairs including all railings etc.	1	flt flt flt	30,000.00 2,000.00 3,000.00	30,000 2,000 3,000	42,000	
C2010	STAIR CONSTRUCTION Stage stairs, wood Metal pan stair; egress stair Concrete fill to stairs SUBTOTAL STAIR FINISHES High performance coating to stairs including all railings etc. Rubber tile at stairs - landings	1 1 1	flt flt flt	30,000.00 2,000.00 3,000.00	30,000 2,000 3,000 1,800	42,000	
C2010	STAIR CONSTRUCTION Stage stairs, wood Metal pan stair; egress stair Concrete fill to stairs SUBTOTAL STAIR FINISHES High performance coating to stairs including all railings etc. Rubber tile at stairs - landings Rubber tile at stairs - treads & risers	1	flt flt flt	30,000.00 2,000.00 3,000.00	30,000 2,000 3,000		
C2010	STAIR CONSTRUCTION Stage stairs, wood Metal pan stair; egress stair Concrete fill to stairs SUBTOTAL STAIR FINISHES High performance coating to stairs including all railings etc. Rubber tile at stairs - landings Rubber tile at stairs - treads & risers SUBTOTAL	1 1 1	flt flt flt	30,000.00 2,000.00 3,000.00	30,000 2,000 3,000 1,800	42,000 7,330	
C2010	STAIR CONSTRUCTION Stage stairs, wood Metal pan stair; egress stair Concrete fill to stairs SUBTOTAL STAIR FINISHES High performance coating to stairs including all railings etc. Rubber tile at stairs - landings Rubber tile at stairs - treads & risers	1 1 1	flt flt flt	30,000.00 2,000.00 3,000.00	30,000 2,000 3,000 1,800		\$4
C2010	STAIR CONSTRUCTION Stage stairs, wood Metal pan stair; egress stair Concrete fill to stairs SUBTOTAL STAIR FINISHES High performance coating to stairs including all railings etc. Rubber tile at stairs - landings Rubber tile at stairs - treads & risers SUBTOTAL TOTAL - STAIRCASES	1 1 1	flt flt flt	30,000.00 2,000.00 3,000.00	30,000 2,000 3,000 1,800		\$4
C2010	STAIR CONSTRUCTION Stage stairs, wood Metal pan stair; egress stair Concrete fill to stairs SUBTOTAL STAIR FINISHES High performance coating to stairs including all railings etc. Rubber tile at stairs - landings Rubber tile at stairs - treads & risers SUBTOTAL TOTAL - STAIRCASES INTERIOR FINISHES	1 1 1	flt flt flt	30,000.00 2,000.00 3,000.00	30,000 2,000 3,000 1,800		\$4
C2010	STAIR CONSTRUCTION Stage stairs, wood Metal pan stair; egress stair Concrete fill to stairs SUBTOTAL STAIR FINISHES High performance coating to stairs including all railings etc. Rubber tile at stairs - landings Rubber tile at stairs - treads & risers SUBTOTAL TOTAL - STAIRCASES INTERIOR FINISHES WALL FINISHES	1 1 150 115	flt flt flt sf lft	30,000.00 2,000.00 3,000.00 12.00 22.00	30,000 2,000 3,000 1,800 2,530		\$4
C2010	STAIR CONSTRUCTION Stage stairs, wood Metal pan stair; egress stair Concrete fill to stairs SUBTOTAL STAIR FINISHES High performance coating to stairs including all railings etc. Rubber tile at stairs - landings Rubber tile at stairs - treads & risers SUBTOTAL TOTAL - STAIRCASES INTERIOR FINISHES Allowance for wall finishes	1 1 1	flt flt flt	30,000.00 2,000.00 3,000.00	30,000 2,000 3,000 1,800	7,330	\$4
C2010	STAIR CONSTRUCTION Stage stairs, wood Metal pan stair; egress stair Concrete fill to stairs SUBTOTAL STAIR FINISHES High performance coating to stairs including all railings etc. Rubber tile at stairs - landings Rubber tile at stairs - treads & risers SUBTOTAL TOTAL - STAIRCASES INTERIOR FINISHES WALL FINISHES	1 1 150 115	flt flt flt sf lft	30,000.00 2,000.00 3,000.00 12.00 22.00	30,000 2,000 3,000 1,800 2,530		\$4
C2010 C2020 C3010	STAIR CONSTRUCTION Stage stairs, wood Metal pan stair; egress stair Concrete fill to stairs SUBTOTAL STAIR FINISHES High performance coating to stairs including all railings etc. Rubber tile at stairs - landings Rubber tile at stairs - treads & risers SUBTOTAL TOTAL - STAIRCASES INTERIOR FINISHES Allowance for wall finishes SUBTOTAL	1 1 150 115	flt flt flt sf lft	30,000.00 2,000.00 3,000.00 12.00 22.00	30,000 2,000 3,000 1,800 2,530	7,330	\$4
C2010 C2020 C3010	STAIR CONSTRUCTION Stage stairs, wood Metal pan stair; egress stair Concrete fill to stairs SUBTOTAL STAIR FINISHES High performance coating to stairs including all railings etc. Rubber tile at stairs - landings Rubber tile at stairs - treads & risers SUBTOTAL TOTAL - STAIRCASES INTERIOR FINISHES Allowance for wall finishes SUBTOTAL FLOOR FINISHES	1 1 150 115	flt flt sf lft	30,000.00 2,000.00 3,000.00 12.00 22.00	30,000 2,000 3,000 1,800 2,530	7,330	\$4
C2010 C2020 C3010	STAIR CONSTRUCTION Stage stairs, wood Metal pan stair; egress stair Concrete fill to stairs SUBTOTAL STAIR FINISHES High performance coating to stairs including all railings etc. Rubber tile at stairs - landings Rubber tile at stairs - treads & risers SUBTOTAL TOTAL - STAIRCASES INTERIOR FINISHES Allowance for wall finishes SUBTOTAL FLOOR FINISHES Allowance for floor finishes	1 1 150 115	flt flt flt sf lft	30,000.00 2,000.00 3,000.00 12.00 22.00	30,000 2,000 3,000 1,800 2,530	7,330	\$4
C2010 C2020 C3010	STAIR CONSTRUCTION Stage stairs, wood Metal pan stair; egress stair Concrete fill to stairs SUBTOTAL STAIR FINISHES High performance coating to stairs including all railings etc. Rubber tile at stairs - landings Rubber tile at stairs - treads & risers SUBTOTAL TOTAL - STAIRCASES INTERIOR FINISHES Allowance for wall finishes SUBTOTAL FLOOR FINISHES	1 1 150 115	flt flt sf lft	30,000.00 2,000.00 3,000.00 12.00 22.00	30,000 2,000 3,000 1,800 2,530	7,330	\$4
C2010 C2020 C3010 C3020	STAIR CONSTRUCTION Stage stairs, wood Metal pan stair; egress stair Concrete fill to stairs SUBTOTAL STAIR FINISHES High performance coating to stairs including all railings etc. Rubber tile at stairs - landings Rubber tile at stairs - treads & risers SUBTOTAL TOTAL - STAIRCASES INTERIOR FINISHES Allowance for wall finishes SUBTOTAL FLOOR FINISHES Allowance for floor finishes	1 1 150 115	flt flt sf lft	30,000.00 2,000.00 3,000.00 12.00 22.00	30,000 2,000 3,000 1,800 2,530	7,330	\$4
C2010 C2020 C3010 C3020	STAIR CONSTRUCTION Stage stairs, wood Metal pan stair; egress stair Concrete fill to stairs SUBTOTAL STAIR FINISHES High performance coating to stairs including all railings etc. Rubber tile at stairs - landings Rubber tile at stairs - treads & risers SUBTOTAL TOTAL - STAIRCASES INTERIOR FINISHES Allowance for wall finishes SUBTOTAL FLOOR FINISHES Allowance for floor finishes SUBTOTAL	1 1 150 115	flt flt sf lft	30,000.00 2,000.00 3,000.00 12.00 22.00	30,000 2,000 3,000 1,800 2,530	7,330	\$49



334

335

Bourne Elementary Schools Design Options Bourne, MA

07-Mar-16

SI		n Submission			UNIT	EST'D	SUB	TOTAL
ODE	NI o A	DESCRIPTION NEW ADDITION TO ELEMENTARY SCHOOL	QTY	UNIT	COST	COST	TOTAL	COST
PIIO	JN 3A - I	NEW ADDITION TO ELEMENTARY SCHOOL						ф
L		TOTAL - INTERIOR FINISHES						\$1,202,3
			=					
L	D10	CONVEYING SYSTEMS						
	D1010	ELEVATOR						
		SUBTOTAL					-	
Γ		TOTAL - CONVEYING SYSTEMS						
L								
Г	D20	PLUMBING	7					
L			_					
	D20	PLUMBING, GENERALLY Plumbing; complete system	63,282	gsf	12.00	759,384		
		SUBTOTAL	03,202	851	12.00	700,001	759,384	
_								
		TOTAL - PLUMBING						\$759,
	D30	HVAC]					
	D30	HVAC, GENERALLY						
		HVAC complete system	63,282	gsf	36.00	2,278,152		
		SUBTOTAL					2,278,152	
Γ		TOTAL - HVAC						\$2,278,
<u> </u>								
Γ	D40	FIRE PROTECTION	1					
_	-		_					
	D40	FIRE PROTECTION, GENERALLY Sprinkler system	63,282	gsf	4.50	284,769		
		SUBTOTAL	30,	0.		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	284,769	
F								
L		TOTAL - FIRE PROTECTION						\$284,
г			-					
L	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,
	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,				FF+E		
		LED monitors, Digital information displays etc.)						

SUBTOTAL



352 353 354

355 356

357

358

359 360

361 362 363

364 365

366

367

368 369

371

372 373

Bourne Elementary Schools Design Options Bourne, MA

Feasibility Design Submission

07-Mar-16

UNIT

EST'D

	\$481,200
	\$481,20
459,348	
, .	
NIC	
	\$459,34
_	·

F10 SPECIAL CONSTRUCTION

SPECIAL CONSTRUCTION F10 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 SUBTOTAL

See Summary

TOTAL - SELECTIVE BUILDING DEMOLITION

GFA

SUB

TOTAL

63.282

TOTAL



Feasibility Design Submission

07-Mar-16

		CONSTRUCTION	ON COST SUMMA	ARY		
	BUILDING	SYSTEM	SUB-TOTAL	TOTAL	\$/SF	%
OPTION	3A - REN	NOVATION TO ELEMENTARY SCH	100L			
A10		DATIONS				
	A1010	Standard Foundations	\$0			
	A1020	Special Foundations	\$0			
	A1030	Lowest Floor Construction	\$99,290	\$99,290	\$1.46	2.1%
A20	BASEM	IENT CONSTRUCTION				
	A2010	Basement Excavation	\$0			
	A2020	Basement Walls	\$0	\$0	\$0.00	0.0%
В10	SUPER	STRUCTURE				
	B1010	Upper Floor Construction	\$20,000			
	B1020	Roof Construction	\$0	\$20,000	\$0.29	0.4%
B20	EXTER	IOR CLOSURE				
	B2010	Exterior Walls	\$5,600			
	B2020	Windows	\$0			
	B2030	Exterior Doors	\$0	\$5,600	\$0.08	0.1%
В30	ROOFI	NG				
ŭ	B3010	Roof Coverings	\$200,000			
	B3020	Roof Openings	\$0	\$200,000	\$2.94	4.3%
C10	INTER	IOR CONSTRUCTION				
	C1010	Partitions	\$389,000			
	C1020	Interior Doors	\$167,800			
	C1030	Specialties/Millwork	\$304,855	\$861,655	\$12.65	18.7%
C20	STAIR	CASES				
	C2010	Stair Construction	\$0			
	C2020	Stair Finishes	\$14,660	\$14,660	\$0.22	0.3%
Сзо	INTER	IOR FINISHES				
•	C3010	Wall Finishes	\$157,450			
	C3020	Floor Finishes	\$215,200			
	C3030	Ceiling Finishes	\$162,900	\$535,550	\$7.86	11.6%
D10	CONVE	EYING SYSTEMS				
	D1010	Elevator	\$0	\$0	\$0.00	0.0%
D20	PLUMI	BING				
	D20	Plumbing	\$189,600	\$189,600	\$2.78	4.1%

GFA



Feasibility Design Submission

07-Mar-16

	BUILDING	CONSTRUCTION SYSTEM	SUB-TOTAL	TOTAL	\$/SF	%		
TION	3A - REN	NOVATION TO ELEMENTARY SCHOO	L		.,			
D30	HVAC							
	D30	HVAC	\$1,196,400	\$1,196,400	\$17.57	25.9%		
D40	FIRE P	ROTECTION						
	D40	Fire Protection	\$136,200	\$136,200	\$2.00	2.9%		
D50	ELECTI	RICAL						
	D5010	Complete System	\$892,400	\$892,400	\$13.10	19.3%		
E10	EQUIP	MENT						
	E10	Equipment	\$120,000	\$120,000	\$1.76	2.6%		
E20	FURNIS	SHINGS						
	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	HAZMA	AT REMOVALS						
	F2010	Building Elements Demolition	\$231,000					
	F2020	Hazardous Components Abatement	\$0	\$231,000	\$3.39	5.0%		
	LDIDE	CT COST (Trade Costs)		\$4,619,655	\$67.84	100.0%		

GFA



Feasibility Design Submission

urne Elementary Schools 07-Mar-16

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
	A - RENOVATION TO ELEMENTARY SCHOOL	ų	01111	0001	0051	TOTAL	0001
GRO	OSS FLOOR AREA CALCULATION						
	First Floor			49,645			
				,			
	Second Floor			18,455			
	TOTAL GROSS FLOOR AREA (GFA)				68,100	sf	
A1	o FOUNDATIONS						
A10	010 STANDARD FOUNDATIONS						
	Allowance for miscellaneous foundation work for seismic upgrades	49,645	sf	5.00	Assumed Not Required		
	SUBTOTAL					-	
A10	20 SPECIAL FOUNDATIONS						
	No Work in this section						
	SUBTOTAL						
440	30 LOWEST FLOOR CONSTRUCTION						
Alo	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	
	562161.12					00,200	
	TOTAL - FOUNDATIONS						\$99,29
L							
A2	O BASEMENT CONSTRUCTION						
A20	DIO BASEMENT EXCAVATION						
	No items in this section						
	SUBTOTAL					-	
A 9.0	020 BASEMENT WALLS						
A20	No items in this section						
	SUBTOTAL					_	
	GODIOTAL					-	

B10	SUPERSTRUCTURE

TOTAL - BASEMENT CONSTRUCTION

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

39 40

53 54 55 GFA



Bourne Elementary Schools Design Options Bourne, MA

Feasibility Design Submission

07-Mar-16

CSI EST'D UNIT SUB TOTAL

	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	
ON 3A - I	RENOVATION TO ELEMENTARY SCHOOL						
B20	EXTERIOR CLOSURE						
		_					
B2010	EXTERIOR WALLS						
	Miscellaneous Demolition / greate energy tie in at existing exterior		c.£	95.00	£ 800		
	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					-	
Docos	EVTEDIOD DOODS						
Б2030	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						
Взо	ROOFING						
	BOOK COVERINGS	•					
к3010	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						
С10	INTERIOR CONSTRUCTION						
		1					
C	DADTITIONO						

C1010 PARTITIONS

extensive renovation

Allowance to modify/replace existing partitions at

15,800

sf

18.00

284,400

GFA



Feasibility Design Submission

rne Elementary Schools 07-Mar-16

		Cor		T	T T	TINE.	route	our our	TOTAL
Monumer for miner patching at existing partitions at minimal removaluation instinant removaluation instinant removaluation in the minimal removaluation area at minimal removaluation ar				QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
SUBTOTAL STRENDE DOORS Allowance for partially doors, doors and hardware 15,800 gs	111	OPTION 3A -	Allowance for minor patching at existing partitions at	52,300	sf	2.00	104,600		
Cional Direction Directi	119							200 000	
Allowance for specialty doors, doors and hardware 15,800 gd 4.00 63,200			SUBIOTAL					389,000	
Allowance for ADA hardware at minimal renovation areas 10,000 104,000 104,000 107,000		C1020							
SURFOTAL 167.800 167	115		Allowance for specialty doors, doors and hardware	15,800	gsf	4.00	63,200		
	116			52,300	gsf	2.00	104,600		
Cook SPECIALTIES MILLYONK Totale Partitions and accessories 15,800 gf 0.80 12,940 1,000 1,	117		SUBTOTAL					167,800	
Tollet Partitions and accessories 15,800 gsf 0,80 12,640									
Backer panels in electrical closets 1		C1030	•			0.00	10.010		
Marker boards/tackboards in classrooms, effices, conference rooms, library and MP rooms; 20					_				
			-						
Bronze dedication plaque 1 10c 2,500.00 In Addition 1 10c 2,500.00 In Addition 2,724 10c 2,700.00 1 1 1 1 1 1 1 1 1	122		conference rooms, library and MP rooms; 20' tackboard w/ 8' markerboard in each Educational	15,800	sf	1.00	15,800		
Room Signs	123		Building directory	1	loc	3,000.00	In Addition		
Fire extinguisher cabinets 23 ea 330.00 8.050	124		Bronze dedication plaque	1	loc	2,500.00	In Addition		
	125		Room Signs	68,100	gsf	0.40	27,240		
	126		Fire extinguisher cabinets	23	ea	350.00	8,050		
Shelving in storage rooms 1 15 10,000.00 10,000	127		Corridor Lockers	68,100	gsf	1.00	ETR		
Staff mailboxes/casework 1 S 5,000.00 In Addition	128		Janitors Closet Accessories	1	ls	1,000.00	1,000		
Reception desk in Media - allowance	129		Shelving in storage rooms	1	ls	10,000.00	10,000		
	130		Staff mailboxes/casework	1	ls	5,000.00	In Addition		
Student cubbies in classrooms 24 rms 6,000.00 144,000	131		Reception desk in Media - allowance	1	ls	20,000	In Addition		
	132		Library shelving				F,F & E		
Miscellaneous metals throughout building 68,100 sf 0.75 51,075 Miscellaneous sealants throughout building 68,100 sf 0.50 34,050 SUBTOTAL SUBTOTAL SUBTOTAL S861,655 TOTAL -INTERIOR CONSTRUCTION STAIRCASES STAIRCAS	133		Student cubbies in classrooms	24	rms	6,000.00	144,000		
Miscellaneous sealants throughout building 68,100 st 0.50 34,050 34,050 34,055	134		Display cases	1	ls	15,000.00	ETR		
SUBTOTAL SUBTOTAL	135		Miscellaneous metals throughout building	68,100	sf	0.75	51,075		
	136		Miscellaneous sealants throughout building	68,100	sf	0.50	34,050		
TOTAL - INTERIOR CONSTRUCTION \$861,655			SUBTOTAL					304,855	
	139		TOTAL - INTERIOR CONSTRUCTION						\$861,655
		C20	STAIRCASES						
Concrete fill to stairs 2 fit 2,000.00 NIC SUBTOTAL	144	C2010		2	flt	10,000.00			
147 148 149	146		Concrete fill to stairs	2	flt	2,000.00	-		
148	147		SUBTOTAL					-	
High performance coating to stairs including all railings etc. 151 Rubber tile at stairs - landings 300 sf 12.00 3.600 152 Rubber tile at stairs - treads & risers 230 lft 22.00 5.060 153 SUBTOTAL 14.660 154 155 TOTAL - STAIRCASES \$14,660 156 157 158 C30 INTERIOR FINISHES 160 C3010 WALL FINISHES 161 Allowance for wall finishes at extensive renovation 15,800 gsf 5.00 79,000 162 Allowance for painting at minor renovation 52,300 gsf 1.50 78,450									
Rubber tile at stairs - treads & risers 230 lft 22.00 5,060		C2020	High performance coating to stairs including all	2	flt	3,000.00	6,000		
SUBTOTAL 14,660	151		Rubber tile at stairs - landings	300	sf	12.00	3,600		
154	152		Rubber tile at stairs - treads & risers	230	lft	22.00	5,060		
156	153		SUBTOTAL					14,660	
156			TOTAL CTAIDCACEC						\$11.660
157			IUIAL - SIAIKCASES						\$14,000
159 160 C3010 WALL FINISHES 161 Allowance for wall finishes at extensive renovation 15,800 gsf 5.00 79,000 162 Allowance for painting at minor renovation 52,300 gsf 1.50 78,450									
160 161C3010 162WALL FINISHES15,800 15,800gsf5.00 gsf79,000162Allowance for wall finishes at extensive renovation52,300gsf1.5078,450		C30	INTERIOR 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		Canto	WALLFINISHES						
Allowance for painting at minor renovation 52,300 gsf 1.50 78,450		0,3010		15,800	gsf	5.00	79,000		
	162		Allowance for painting at minor renovation			1.50	78,450		
	163		. 9		-			157,450	

GFA



stary Schools 07-Mar-16

I					UNIT	EST'D	SUB	TOTA
DDE	NoA T	DESCRIPTION RENOVATION TO ELEMENTARY SCHOOL	QTY	UNIT	COST	COST	TOTAL	cos
riic	м за - г	RENOVATION TO ELEMENTARY SCHOOL						
	Cooo	FLOOR FINISHES						
	C3020	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	
	Canan	CEILING FINISHES						
	C3030	Allowance for ceiling finishes at extensive renovation	15,800	sf	7.00	110,600		
		Amovance for centing minimizes at extensive renovation	13,000	51	7.00	110,000		
		Allowance for ceiling finishes at minor renovation	52,300	gsf	1.00	52,300		
		SUBTOTAL	0 ,0	J			162,900	
		552101.12					102,000	
Ī		TOTAL - INTERIOR FINISHES						\$53
L								
Γ	D10	CONVEYING SYSTEMS						
L	DIO	CONVETINGSTSTEMS						
	D1010	ELEVATOR						
		SUBTOTAL					-	
Г		TOTAL - CONVEYING SYSTEMS						
L								
Г	Das	DITIMBING						
L	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
L								
Γ	D30	HVAC						
L								
	D30	HVAC, GENERALLY	0		00.00	500.000		
		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	
Ī		TOTAL - HVAC						\$1,190
L								. , , ,
г								
L	D40	FIRE PROTECTION						
	D40	FIRE PROTECTION, GENERALLY						
		Sprinkler system; modify existing	68,100	gsf	2.00	136,200		
		SUBTOTAL					136,200	
Г								
		TOTAL - FIRE PROTECTION						\$136
	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	- / -	J			892,400	
							,	
Г		TOTAL - ELECTRICAL						\$892

E10

E10

EQUIPMENT

EQUIPMENT, GENERALLY

226

227 228



Feasibility Design Submission

urne Elementary Schools 07-Mar-16

	gn Submission						
DE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
'TION 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						\$120,0
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 E	TR		
	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,
F10	SPECIAL CONSTRUCTION						
110	SFECIAL CONSTRUCTION						
F10	SPECIAL CONSTRUCTION						
	No Work in this section						
	SUBTOTAL						
	TOTAL - SPECIAL CONSTRUCTION						
F20	SELECTIVE BUILDING DEMOLITION						
F20	SELECTIVE BUILDING DEVIOLITION						
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	
	HAZARDOUS COMPONENTS ABATEMENT			c	ee Summary		
F2020	See main summary for HazMat allowance						
F2020	See main summary for HazMat allowance SUBTOTAL			3	ee Summary		

GFA



TOTAL COST



Bourne Elementary Schools Design Options Bourne, MA

Feasibility Design Submission

CSI CODE SITEWORK OPTION 3A

DESCRIPTION

-						
\boldsymbol{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	

UNIT COST

UNIT

QTY

EST'D COST

SUB TOTAL

					.,	-,	
11		Remove and dispose of existing drainage structures and utilities	1	ls	40,000.00	40,000	
12		SUBTOTAL					\$209,820
13							
14		Site Earthwork					
15		Construction entrances/wheel washes (allowance)	1	loc	15,000.00	15,000	
16		Strip topsoil, store on site for reuse	2,481	cy	8.00	19,848	
17		Cut/fill	18,519	cy	6.00	111,114	
18		Fine grading	32,450	sy	0.50	16,225	
19		Silt fence/erosion control (allowance)	2,150	lf	12.00	25,800	
20		Erosion Control monitoring & maintenance	1	ls	10,000.00	10,000	
22		Hazardous Waste Remediation					
23		No items in this section SUBTOTAL					\$197,987
24		SOBIOTAL					3197,967
25	G20	SITE IMPROVEMENTS					
26		Roadways and Parking Lots					
27		Bituminous concrete paving	152,244				
28		gravel base; 12" thick	5,639	cy	35.00	197,365	
29		bituminous concrete; 4" thick	16,916	sy	25.00	422,900	
30		6"x18" granite curb	8,973	lf	32.00	287,136	
31		Single solid lines, 4" thick	213	space	25.00	5,325	
32		Wheelchair Parking	10	space	75.00	750	
33		Crosswalk Hatching	2	loc	900.00	1,800	
34		Other road markings	1	ls	7,500.00	7,500	
35		HC curb cuts	4	loc	1,100.00	4,400	
36		New entrance sign	1	ls	10,000.00	10,000	
37		New traffic signs	1	ls	5,000.00	5,000	
38		SUBTOTAL	-	13	0,000.00	0,000	\$942,176
39		SOBIOTIE					0012,170
40		Pedestrian paving					
41		Bituminous concrete paving	10,000	sf			
42		gravel base; 12" thick	370		35.00	12,950	
43		bituminous concrete; 3" thick		cy	28.00	31,108	
44			1,111	sy	26.00	31,106	
45		Concrete Pavers					
46		Concrete pavers	= 606	of.	16.00	90 606	
47		Precast concrete pavers	5,606	sf	16.00	89,696	
48		gravel base; 8" thick	139	cy	35.00	4,865	
49		dry pack; 2" thick	33	cy	22.00	726	
50		concrete base; 4" thick	5,606	sf	5.00	28,030	
		a					
51		<u>Site Improvements</u>					
52		Bicycle racks	10	ea	800.00	8,000	
53		45' Flag pole	1	loc	7,500.00	7,500	
54		Flag pole base	1	loc	1,500.00	1,500	
55		Ornamental trash/recycling receptacles	10	ea	800.00	8,000	
56		Seating walls	1	ls	75,000.00	75,000	
57		Segmented block retaining walls	3,400	sf	55.00	187,000	
58		Dumpster enclosure	100	lf	60.00	6,000	
59		Play surface	5,000	sf	16.00	80,000	
60		Track surface	10,000	sf	8.00	80,000	



PMC - Project Management Cost



Bourne Elementary Schools Design Options Bourne, MA

Feasibility Design Submission

CSI CODE SITEWORK	DESCRIPTION OPTION 2A	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
SIILWORK	Play equipment	1	ls	180,000.00	180,000		
	Other sitework improvements	1	ls	25,000.00	25,000		
	Tennis Courts	24,200	13	23,000.00	23,000		
	Gravel base - 12" thick	896	су	35.00	NIC		
	Tennis court surface - color coated acrylic over	2,689	sy	42.00	NIC		
	asphalt	2,009	39	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		
	<u>Landscaping & Plantings:</u>						
	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	
Cen	CIVIL MECHANICAL UTILITIES						
G3o	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	•	100	0,000.00	0,000		
	8" sewer	700	lf	48.00	33,600		
	Connect to existing	1	loc	1,500.00	1,500		
	· ·				12,000		
	6,000 gal grease trap SMH	1	loc loc	12,000.00 4,000.00	20,000		
	Increase septic reserve by 50%	4.050	sf	50.00	20,000		
	•	4,050	51	30.00	202,300		
	Storm Sewer		,	500 000 00	500,000		
	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		10	05.00	40.700		
	New gas service	660	lf	25.00	16,500		
	New telecom service	660	lf	25.00	16,500	****	
	SUBTOTAL					\$916,800	
G40	SITE ELECTRICAL						
040	Power Power						
	Tap main power source	1	ea	3,000.00	3,000		
	Primary ductbank	660	lf	65.00	42,900		
	Primary cabling			Ut	ility company		
	Pad mounted transformer				ility 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	0.5			,		
	Communications ductbank	660	lf	85.00	56,100		
	Site Lighting/Power	000	11	55.00	30,100		
	Site lighting, roadway, parking, pathways and	1	ls	100,000.00	100,000		
	landscaping	1	15	100,000.00	100,000		
	SUBTOTAL					\$232,500	

Page 63

117



Feasibility Design Submission

ourne Elementary Schools
or-Mar-16
esign Options
07-Mar-16

		CONSTRUCTI	ON COST SUMM	ARY		
	BUILDING	SYSTEM	$SUB ext{-}TOTAL$	TOTAL	\$/SF	%
OPTION	3B - NEV	W ADDITION TO ELEMENTARY SO	CHOOL			
A10		DATIONS				
	A1010	Standard Foundations	\$713,132			
	A1020	Special Foundations	\$0			
	A1030	Lowest Floor Construction	\$529,883	\$1,243,015	\$19.64	7.5%
A20	BASEM	IENT CONSTRUCTION				
	A2010	Basement Excavation	\$0			
	A2020	Basement Walls	\$0	\$0	\$0.00	0.0%
В10	SUPER	STRUCTURE				
	B1010	Upper Floor Construction	\$915,383			
	B1020	Roof Construction	\$1,208,892	\$2,124,275	\$33.57	12.9%
B20	EXTER	IOR CLOSURE				
	B2010	Exterior Walls	\$1,407,944			
	B2020	Windows	\$1,303,457			
	B2030	Exterior Doors	\$58,541	\$2,769,942	\$43.77	16.8%
В30	ROOFI	NG				
-0-	B3010	Roof Coverings	\$1,113,712			
	B3020	Roof Openings	\$12,500	\$1,126,212	\$17.80	6.8%
C10	INTER	IOR CONSTRUCTION				
	C1010	Partitions	\$1,183,333			
	C1020	Interior Doors	\$253,128			
	C1030	Specialties/Millwork	\$424,738	\$1,861,199	\$29.41	11.3%
C20	STAIR	CASES				
	C2010	Stair Construction	\$42,000			
	C2020	Stair Finishes	\$7,330	\$49,330	\$0.78	0.3%
С30	INTER	IOR FINISHES				
2,33	C3010	Wall Finishes	\$316,410			
	C3020	Floor Finishes	\$442,974			
	C3030	Ceiling Finishes	\$442,974	\$1,202,358	\$19.00	7.3%
D10	CONVE	YING SYSTEMS				
220	D1010	Elevator	\$0	\$0	\$0.00	0.0%
D20	PLUME	BING				
220	D20	Plumbing	\$759,384	\$759,384	\$12.00	4.6%

GFA



07-Mar-16

Feasibility Design Submission GFA 63,282

	BUILDING	CONSTRUCTION SYSTEM	SUB-TOTAL	TOTAL	\$/SF	%
ΓΙΟΝ	3B - NEV	V ADDITION TO ELEMENTARY SCHO	OOL		.,	
D30	HVAC					
	D30	HVAC	\$2,278,152	\$2,278,152	\$36.00	13.8%
D40	FIRE P	ROTECTION				
	D40	Fire Protection	\$284,769	\$284,769	\$4.50	1.7%
D50	ELECTI	RICAL				
	D5010	Complete System	\$1,898,460	\$1,898,460	\$30.00	11.5%
E10	EQUIP	MENT				
	E10	Equipment	\$481,200	\$481,200	\$7.60	2.9%
E20	FURNIS	SHINGS				
	E2010	Fixed Furnishings	\$450,660			
	E2020	Movable Furnishings	NIC	\$450,660	\$7.12	2.7%
F10	SPECIA	L CONSTRUCTION				
	F10	Special Construction	\$0	\$0	\$0.00	0.0%
F20	HAZMA	AT REMOVALS				
	F2010	Building Elements Demolition	\$0			
	F2020	Hazardous Components Abatement	\$0	\$0	\$0.00	0.0%
		CT COST (Trade Costs)		\$16,528,956	\$261.20	100.0%



Feasibility Design Submission

irne Elementary Schools 07-Mar-16

CSI				UNIT	EST'D	SUB	TOTAL
CODE	DESCRIPTION	OTV	IINIT	COST	COST	TOTAL	COST

OPTION 3B - NEW	ADDITION TO ELEMENTARY SCHOOL
-----------------	-------------------------------

GROSS FLOC	OR AREA (CALCULATI	ION

First Floor 38,691 Second Floor 24,591

	TOTAL GROSS FLOOR AREA (GFA)				63,282 sf	
	TOTAL GROSS FLOOR AREA (GFA)				03,282 \$j	
4.0	FOLINDATIONS	_				
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	53 7	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	
	S V 1 U	. •				

GFA



Feasibility Design Submission GFA 63,282

CODE 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	O SPECIAL FOUNDATIONS						
1110=0	No Work in this section						
	SUBTOTAL						
44000	LOWEST ELOOP CONSTRUCTION						
A1030	New Slab on grade, 5" thick						
	Structural gravel fill, 8"	956	су	30.00	28,680		
	Base course, 8" gravel	956	су	35.00	33,460		
	Rigid insulation	38,691	sf	2.25	87,055		
	Vapor barrier	38,691	sf	0.75	29,018		
	•		sf	2.50	96,728		
	Under slab drainage -allow	38,691		0.80	35,596		
	Mesh reinforcing 15% lap Concrete - 5" thick	44,495	sf				
	Placing concrete	632	cy	125.00 45.00	79,000 28,440		
	_	632	cy				
	Finishing and curing concrete	38,691	sf	1.50	58,037		
	Control joints - saw cut <u>Miscellaneous</u>	38,691	sf	0.10	3,869		
	Miscellaneous New Elevator pits	-	00	25,000.00	25,000		
	New loading dock - allow	1	ea	20,000.00	20,000		
	_	1	ls				
	Equipment pads - allow	1	ls	5,000.00	5,000	500 000	
	SUBTOTAL					529,883	
	TOTAL - FOUNDATIONS						\$1,243,
A20	BASEMENT CONSTRUCTION]					
		_					
A2010	BASEMENT EXCAVATION						
	No items in this section						
	SUBTOTAL					-	
1000	D BASEMENT WALLS						
A2020	No items in this section						
	SUBTOTAL					_	
	BODIOTAL						
	TOTAL - BASEMENT CONSTRUCTION						
		7					
B10	SUPERSTRUCTURE]	lba/af				
R1010	FLOOR CONSTRUCTION	12 392	lbs/sf tns				
D1010	Floor Structure - Steel:	332	(113				
	Steel beams and columns; 13/SF	160	tns	3,400.00	544,000		
	Shear studs	4,918	ea	2.50	12,295		
	Floor Structure	7,710		2.00	22,800		
	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	•		170.00	66,640		
	Place and finish concrete	392 24,591	cy sf	2.00	49,182		
	Misc. perimeter angles		lf	25.00	25,800		
	Miscellaneous	1,032	11	۵۵.00	۵۵,۵00		
	Miscellaneous Fire preciping to columns and beams			2.50	G1 470		

Fire proofing to columns and beams

109

24,591

 \mathbf{sf}

2.50

61,478

07-Mar-16



Bourne Elementary Schools Design Options Bourne, MA

Feasibility Design Submission

TOTAL - SUPERSTRUCTURE

07-Mar-16

	CSI CODE OPTION 3B - I	DESCRIPTION NEW ADDITION TO ELEMENTARY SCHOOL	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
109		Reinforce existing roof for new floor	1	ls	30,000.00	30,000		
110		Fire stopping floors	1	flrs	5,000.00	5,000		
111		SUBTOTAL					915,383	
112								
113	B1020	ROOF CONSTRUCTION						
114		Roof Structure - Steel:						
115		Steel beams/Joists; 12#/SF	232	tns	3,400.00	788,800		
116		Roof Structure						
117		3" Metal floor Deck @ roof	27,391	sf	4.00	109,564		
118		Acoustic deck at gym, 3", type NA	11,300	sf	7.00	79,100		
119		Roof Structure @ Mech Equipment/Low roof						
120		WWF reinforcement	9,315	sf	0.80	7,452		
121		Concrete Fill to metal deck; 5 1/4" Light weight	129	cy	170.00	21,930		
122		Place and finish concrete	8,100	sf	3.00	24,300		
123		Miscellaneous						
124		Canopy framing - allow	1	ls	30,000.00	30,000		
125		Roof screen framing - allow	1,100	sf	20.00	22,000		
126		Fire proofing to columns, beams and deck	38,691	sf	3.25	125,746		
127		SUBTOTAL					1,208,892	
128								

B20	EXTERIOR CLOSURE	\neg				
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	
	<u>Miscellaneous</u>					
	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	

GFA

63,282

\$2,124,275



Bourne Elementary Schools Design Options Bourne, MA

Feasibility Design Submission

	Feasibility Desig	n Submission					GFA	63,282
	CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
	OPTION 3B - I	NEW ADDITION TO ELEMENTARY SCHOOL						
63		SUBTOTAL					1,303,457	
64	Danas	EVERIOR DOORS						
66	В2030	EXTERIOR DOORS Glazed entrance doors including frame and hardware;	5	pr	8,000.00	40,000		
		double door	ŭ	•				
67		HM doors, frames and hardware- Double	2	pr	3,600.00	7,200		
68		HM doors, frames and hardware- Single	1	ea	1,800.00	1,800		
169		Coiling door at Loading dock	1	ls	7,500.00	7,500		
170		Backer rod & double sealant	157	lf	9.00	1,413		
171		Wood blocking at openings	157	lf	4.00	628		
72		SUBTOTAL					58,541	
73 74		TOTAL EVTEDIOD OLOGUDE						40 = 60 0 10
75		TOTAL - EXTERIOR CLOSURE						\$2,769,942
76								
77	Взо	ROOFING						
78								
79 80	В3010	ROOF COVERINGS Flat roofing						
81		PVC roof membrane fully adhered	38,691	sf	7.50	290,183		
82		Insulation	38,691	sf	6.00	232,146		
183		1/2" dens-deck protection board	38,691	sf	2.00	77,382		
184		Reinforced vapor barrier	38,691	sf	1.00	38,691		
185		Rough blocking		lf	6.00	7,800		
186		Miscellaneous Roofing	1,300	11	0.00	7,800		
186		g .	1 000	c.f	20.00	26 000		
187		Premium for green roof	1,233	sf	30.00	36,990		
187		Premium for sloped roof	10,901	sf	20.00	218,020		
		Canopies - allow	300	sf	75.00	22,500		
188		Roof screens - allow	1,100	sf	50.00	55,000		
189		Roof fascia/cornice	1,300	lf -	90.00	117,000		
190		Roof ladders	1	ls	3,000.00	3,000		
191		Walk pads	1	ls	15,000.00	15,000		
192 193		SUBTOTAL					1,113,712	
194	B3020	ROOF OPENINGS						
195	-3	Skylights, allow	1	ls	10,000.00	10,000		
96		Roof hatch	1	loc	2,500.00	2,500		
97		SUBTOTAL					12,500	
98								
99		TOTAL - ROOFING						\$1,126,212
200 201								
202	C10	INTERIOR CONSTRUCTION						
203	<u> </u>							
204	C1010	PARTITIONS		_				
205		Reinforced masonry shear walls at Gymnasium & Stage	2,910	sf	23.00	66,930		
206		Stairs/Elevator; 2 HR rated	3,220	sf	16.00	51,520		
207		Corridors; GWB with 2 lyrs corridor side	21,518	sf	15.55	334,605		
208		Demising; Metal stud w/ 2 layers gwb	10,892	sf	17.35	188,976		
209		Partitions at Admin spaces, back of house etc.	2,744	sf	15.85	43,492		
210		Partitions at existing exterior wall	5,082	sf	15.00	76,230		
210		Sealants & caulking at partitions	41,284	sf	0.50	20,642		
211		Rough blocking to partitions	3,176	lf	3.00	9,528		
212		Glazed partitions/borrowed lights - allowance	3,1/0	ls	75,000.00	75,000		
213		Miscellaneous partitions not yet shown	63,282	gsf	5.00	316,410		
214		SUBTOTAL	~J,=02	501	3.00	515,410	1,183,333	
215		JODIO IIIL					1,100,000	
216	C1020	INTERIOR DOORS						

07-Mar-16

63,282

GFA



Feasibility Design Submission

sign Options

ODE		DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
PTION	N 3B - N	NEW ADDITION TO ELEMENTARY SCHOOL	ŲII	UNII	cosi	cosi	IOIAL	COST
		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	-	15	20,000	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	03,202	31	1.23	70,100	424,738	
_							424,700	
		TOTAL - INTERIOR CONSTRUCTION						\$1,861,1
	C20	STAIRCASES						
<u> </u>	_		_					
(C2010	STAIR CONSTRUCTION						
			9	flts	5 000 00	10,000		
		Stage stairs, wood	2	flts	5,000.00	10,000 30,000		
		Stage stairs, wood Metal pan stair; egress stair	1	flt	30,000.00	30,000		
		Stage stairs, wood Metal pan stair; egress stair Concrete fill to stairs					42 000	
		Stage stairs, wood Metal pan stair; egress stair	1	flt	30,000.00	30,000	42,000	
(C2020	Stage stairs, wood Metal pan stair; egress stair Concrete fill to stairs	1	flt	30,000.00	30,000	42,000	
(C2020	Stage stairs, wood Metal pan stair; egress stair Concrete fill to stairs SUBTOTAL STAIR FINISHES High performance coating to stairs including all	1	flt flt	30,000.00 2,000.00	30,000 2,000	42,000	
(C2020	Stage stairs, wood Metal pan stair; egress stair Concrete fill to stairs SUBTOTAL STAIR FINISHES High performance coating to stairs including all railings etc.	1	flt flt flt	30,000.00 2,000.00 3,000.00	30,000 2,000 3,000	42,000	
(C2020	Stage stairs, wood Metal pan stair; egress stair Concrete fill to stairs SUBTOTAL STAIR FINISHES High performance coating to stairs including all railings etc. Rubber tile at stairs - landings	1 1 1 150	flt flt flt	30,000.00 2,000.00 3,000.00	30,000 2,000 3,000 1,800	42,000 7,330	
(C2020	Stage stairs, wood Metal pan stair; egress stair Concrete fill to stairs SUBTOTAL STAIR FINISHES High performance coating to stairs including all railings etc. Rubber tile at stairs - landings Rubber tile at stairs - treads & risers SUBTOTAL	1 1 1 150	flt flt flt	30,000.00 2,000.00 3,000.00	30,000 2,000 3,000 1,800		A
	C2020	Stage stairs, wood Metal pan stair; egress stair Concrete fill to stairs SUBTOTAL STAIR FINISHES High performance coating to stairs including all railings etc. Rubber tile at stairs - landings Rubber tile at stairs - treads & risers	1 1 1 150	flt flt flt	30,000.00 2,000.00 3,000.00	30,000 2,000 3,000 1,800		\$49,
	C2020	Stage stairs, wood Metal pan stair; egress stair Concrete fill to stairs SUBTOTAL STAIR FINISHES High performance coating to stairs including all railings etc. Rubber tile at stairs - landings Rubber tile at stairs - treads & risers SUBTOTAL	1 1 1 150	flt flt flt	30,000.00 2,000.00 3,000.00	30,000 2,000 3,000 1,800		\$49,8
	C30	Stage stairs, wood Metal pan stair; egress stair Concrete fill to stairs SUBTOTAL STAIR FINISHES High performance coating to stairs including all railings etc. Rubber tile at stairs - landings Rubber tile at stairs - treads & risers SUBTOTAL	1 1 1 150	flt flt flt	30,000.00 2,000.00 3,000.00	30,000 2,000 3,000 1,800		\$49,5
	C30	Stage stairs, wood Metal pan stair; egress stair Concrete fill to stairs SUBTOTAL STAIR FINISHES High performance coating to stairs including all railings etc. Rubber tile at stairs - landings Rubber tile at stairs - treads & risers SUBTOTAL TOTAL - STAIRCASES INTERIOR FINISHES	1 1 1 150	flt flt flt	30,000.00 2,000.00 3,000.00	30,000 2,000 3,000 1,800		\$49,5
	C30	Stage stairs, wood Metal pan stair; egress stair Concrete fill to stairs SUBTOTAL STAIR FINISHES High performance coating to stairs including all railings etc. Rubber tile at stairs - landings Rubber tile at stairs - treads & risers SUBTOTAL TOTAL - STAIRCASES	1 1 1 150	flt flt flt	30,000.00 2,000.00 3,000.00	30,000 2,000 3,000 1,800		\$49,2
	C30	Stage stairs, wood Metal pan stair; egress stair Concrete fill to stairs SUBTOTAL STAIR FINISHES High performance coating to stairs including all railings etc. Rubber tile at stairs - landings Rubber tile at stairs - treads & risers SUBTOTAL TOTAL - STAIRCASES INTERIOR FINISHES WALL FINISHES	1 1 150 115	flt flt sf lft	30,000.00 2,000.00 3,000.00 12.00 22.00	30,000 2,000 3,000 1,800 2,530		\$49,5
	C30	Stage stairs, wood Metal pan stair; egress stair Concrete fill to stairs SUBTOTAL STAIR FINISHES High performance coating to stairs including all railings etc. Rubber tile at stairs - landings Rubber tile at stairs - treads & risers SUBTOTAL TOTAL - STAIRCASES INTERIOR FINISHES Allowance for wall finishes	1 1 150 115	flt flt sf lft	30,000.00 2,000.00 3,000.00 12.00 22.00	30,000 2,000 3,000 1,800 2,530	7,330	\$49,3
	<i>C30</i> C3010	Stage stairs, wood Metal pan stair; egress stair Concrete fill to stairs SUBTOTAL STAIR FINISHES High performance coating to stairs including all railings etc. Rubber tile at stairs - landings Rubber tile at stairs - treads & risers SUBTOTAL TOTAL - STAIRCASES INTERIOR FINISHES Allowance for wall finishes SUBTOTAL FLOOR FINISHES	1 1 150 115	flt flt sf lft	30,000.00 2,000.00 3,000.00 12.00 22.00	30,000 2,000 3,000 1,800 2,530	7,330	\$49,3
	<i>C30</i> C3010	Stage stairs, wood Metal pan stair; egress stair Concrete fill to stairs SUBTOTAL STAIR FINISHES High performance coating to stairs including all railings etc. Rubber tile at stairs - landings Rubber tile at stairs - treads & risers SUBTOTAL TOTAL - STAIRCASES INTERIOR FINISHES Allowance for wall finishes SUBTOTAL FLOOR FINISHES Allowance for floor finishes	1 1 150 115	flt flt sf lft	30,000.00 2,000.00 3,000.00 12.00 22.00	30,000 2,000 3,000 1,800 2,530	7,330 316,410	\$49,3
	<i>C30</i> C3010	Stage stairs, wood Metal pan stair; egress stair Concrete fill to stairs SUBTOTAL STAIR FINISHES High performance coating to stairs including all railings etc. Rubber tile at stairs - landings Rubber tile at stairs - treads & risers SUBTOTAL TOTAL - STAIRCASES INTERIOR FINISHES Allowance for wall finishes SUBTOTAL FLOOR FINISHES	1 1 150 115	flt flt sf lft	30,000.00 2,000.00 3,000.00 12.00 22.00	30,000 2,000 3,000 1,800 2,530	7,330	\$49,3
	<i>C30</i> C3010	Stage stairs, wood Metal pan stair; egress stair Concrete fill to stairs SUBTOTAL STAIR FINISHES High performance coating to stairs including all railings etc. Rubber tile at stairs - landings Rubber tile at stairs - treads & risers SUBTOTAL TOTAL - STAIRCASES INTERIOR FINISHES Allowance for wall finishes SUBTOTAL FLOOR FINISHES Allowance for floor finishes	1 1 150 115	flt flt sf lft	30,000.00 2,000.00 3,000.00 12.00 22.00	30,000 2,000 3,000 1,800 2,530	7,330 316,410	\$49,3
	<i>C30</i> C3010	Stage stairs, wood Metal pan stair; egress stair Concrete fill to stairs SUBTOTAL STAIR FINISHES High performance coating to stairs including all railings etc. Rubber tile at stairs - landings Rubber tile at stairs - treads & risers SUBTOTAL TOTAL - STAIRCASES WALL FINISHES Allowance for wall finishes SUBTOTAL FLOOR FINISHES Allowance for floor finishes SUBTOTAL	1 1 150 115	flt flt sf lft	30,000.00 2,000.00 3,000.00 12.00 22.00	30,000 2,000 3,000 1,800 2,530	7,330 316,410	\$49,3

07-Mar-16

63,282

GFA



277 278

279

281

282 283

286

287

288

289

291 293

294 295

296

297

299

301

307

310 311

312 313

314

315

316 317 318

319

321

322 323

324

325

326

327

328

329

330

331

332

334

335

Bourne Elementary Schools Design Options Bourne, MA

07-Mar-16

Feasibility Design Submission GFA 63.282 EST'D UNIT SUB TOTAL QTY TOTAL DESCRIPTION OPTION 3B - NEW ADDITION TO ELEMENTARY SCHOOL TOTAL - INTERIOR FINISHES \$1,202,358 CONVEYING SYSTEMS D10 ELEVATOR D1010 SUBTOTAL 280 TOTAL - CONVEYING SYSTEMS PLUMBING D20 PLUMBING, GENERALLY **D20** Plumbing; complete system 63,282 gsf 12.00 759,384 759,384 290 TOTAL - PLUMBING \$759,384 D30 HVAC HVAC, GENERALLY D30 HVAC complete system 63,282 36.00 2,278,152 gsf SUBTOTAL 2,278,152 TOTAL - HVAC \$2,278,152 300 302 FIRE PROTECTION D40 303 304 FIRE PROTECTION, GENERALLY **D40** 305 Sprinkler system 63,282 gsf 4.50 284,769 306 **SUBTOTAL** 284,769 308 TOTAL - FIRE PROTECTION \$284,769 309 D50 ELECTRICAL D5010 COMPLETE ELECTRICAL SYSTEM gsf Electrical system; complete 63,282 30.00 1,898,460 SUBTOTAL 1.898.460 TOTAL - ELECTRICAL \$1,898,460 320 E10 **EQUIPMENT EQUIPMENT, GENERALLY E10** Gym wall pads ls 10,000.00 10,000 Basketball backstops; swing up; electric operated 9,800.00 39,200 ea Gymnasium dividing net; electrically operated loc 45,000.00 45,000 Volleyball net and standards 2,000.00 2,000 ea Telescoping bleachers ls 25,000.00 25,000 Theatrical Equipment Stage curtains, rigging and ls In Reno controls Stage lighting and dimming ls In Reno Food Service equipment ls 350.000.00 350 000 Electrically operated projection screens 10,000.00 10,000 loc AV Equipment (including Smartboards, Projectors, FF+E LED monitors, Digital information displays etc.)

SUBTOTAL



Feasibility Design Submission

CSI				UNIT	EST'D	SUB	TOTAL
CODE	DESCRIPTION	QTY	UNIT	COST	COST	TOTAL	COST
OPTIO	ON OR NEW ADDITION TO ELEMENTARY COLLOCI						

OPTION 3B - NEW ADDITION TO ELEMENTARY SCHOOL TOTAL - EQUIPMENT \$481,200 337 338 E20 FURNISHINGS 340 341 E2010 FIXED FURNISHINGS 342 Entry mats & frames - recessed with carpet/rubber 500 45.0022,500 strips 343 Manual operated roller shades 6.00 8,078 sf 48,468 344 Counters, base cabinets, tall storage in classrooms 63,282 6.00 379,692 gsf and other rooms SUBTOTAL 345 450,660 346 347 E2020 MOVABLE FURNISHINGS 348 All movable furnishings to be provided and installed by owner 349 SUBTOTAL NIC 351 TOTAL - FURNISHINGS \$450,660 352 353 354 F10 SPECIAL CONSTRUCTION 355 356 SPECIAL CONSTRUCTION F10 357 No Work in this section 358 SUBTOTAL 359 360 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

361 362 363

364 365

366

367

368 369

371

372 373

TOTAL - SELECTIVE BUILDING DEMOLITION

07-Mar-16

63.282

GFA



Feasibility Design Submission

Bourne, MA

CONSTRUCTION COST SUMMARY BUILDING SYSTEM SUB-TOTAL TOTAL\$/SF % OPTION 3B - RENOVATION TO ELEMENTARY SCHOOL **FOUNDATIONS** A10 A1010 Standard Foundations \$0 A1020 Special Foundations \$0 **Lowest Floor Construction** A1030 \$99,290 \$99,290 \$1.46 2.1% **BASEMENT CONSTRUCTION** A20 A2010 \$0 **Basement Excavation** A2020 **Basement Walls** \$0 \$0.00 0.0% **\$0 SUPERSTRUCTURE B10** B1010 **Upper Floor Construction** \$20,000 B1020 **Roof Construction** \$0 \$20,000 \$0.29 0.4% **EXTERIOR CLOSURE B20** B2010 \$5,600 **Exterior Walls** B2020 Windows \$0 B2030 **Exterior Doors** \$0 0.1% \$5,600 \$0.08 **B30 ROOFING** B3010 **Roof Coverings** \$200,000 B3020 **Roof Openings** \$0 \$200,000 \$2.94 4.3% INTERIOR CONSTRUCTION C10 C1010 **Partitions** \$389,000 C1020 \$167,800 **Interior Doors** C1030 Specialties/Millwork \$304,855 \$12.65 18.7% \$861,655 **STAIRCASES C20** C2010 Stair Construction \$0 C2020 Stair Finishes \$14,660 \$0.22 0.3% \$14,660 **INTERIOR FINISHES C30** C3010 Wall Finishes \$157,450 C3020 Floor Finishes \$215,200 C3030 Ceiling Finishes \$162,900 \$7.86 11.6% \$535,550 **CONVEYING SYSTEMS** D10 D1010 Elevator \$0 **\$0** \$0.00 0.0% **PLUMBING D20** D20 Plumbing \$189.600 \$189,600 \$2.78 4.1%

07-Mar-16

68,100

GFA



Feasibility Design Submission

07-Mar-16

		CONSTRUCTION	COST SUMM	ARY		
	BUILDING	SYSTEM	SUB-TOTAL	TOTAL	\$/SF	%
TION	3B - REN	NOVATION TO ELEMENTARY SCHOO	L			
D30	HVAC					
	D30	HVAC	\$1,196,400	\$1,196,400	\$17.57	25.9%
D40	FIRE P	ROTECTION				
	D40	Fire Protection	\$136,200	\$136,200	\$2.00	2.9%
D50	ELECTI	RICAL				
	D5010	Complete System	\$892,400	\$892,400	\$13.10	19.3%
E10	EQUIP	MENT				
	E10	Equipment	\$120,000	\$120,000	\$1.76	2.6%
E20	FURNIS	SHINGS				
	E2010	Fixed Furnishings	\$117,300			
	E2020	Movable Furnishings	NIC	\$117,300	\$1.72	2.5%
F10	SPECIA	L CONSTRUCTION				
	F10	Special Construction	\$0	\$0	\$0.00	0.0%
F20	HAZMA	AT REMOVALS				
	F2010	Building Elements Demolition	\$231,000			
	F2020	Hazardous Components Abatement	\$0	\$231,000	\$3.39	5.0%
TOTA	I DIDE	CT COST (Trade Costs)		\$4,619,655	\$67.84	100.0%

GFA



rne Elementary Schools 07-Mar-16

Feasibility Design Submission GFA 68.100 EST'D UNIT SUB TOTAL CODE DESCRIPTION QTY TOTAL 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 11 A1010 STANDARD FOUNDATIONS 12 5.00 Assumed Not Allowance for miscellaneous foundation work for 49,645 sf seismic upgrades Required 13 SUBTOTAL A1020 SPECIAL FOUNDATIONS No Work in this section SUBTOTAL 19 A1030 LOWEST FLOOR CONSTRUCTION 20 Allowance for patching of existing slabs disturbed by 2.00 99,290 49,645 new work 21 Miscellaneous 22 New Elevator pits ea 25,000.00 In Addition 23 In Addition New loading dock - allow ls 20,000.00 24 Equipment pads - allow ls 5,000.00 In Addition 25 SUBTOTAL 99,290 26 27 TOTAL - FOUNDATIONS \$99,290 29 30 A20 BASEMENT CONSTRUCTION 31 32 A2010 BASEMENT EXCAVATION 33 No items in this section 34 SUBTOTAL 35 A2020 BASEMENT WALLS 37 No items in this section 38 **SUBTOTAL** 39 TOTAL - BASEMENT CONSTRUCTION 40 41 42 43 B10 SUPERSTRUCTURE 44 45 B1010 FLOOR CONSTRUCTION Assumed Not Allowance for seismic upgrades 49,645 8.00 sf Required 15,000 New penetrations to existing structure 15 000 00 ls 48 5,000.00 Fire stopping floors flrs 5,000 49 SUBTOTAL 20,000 50 **B1020 ROOF CONSTRUCTION** 52 Allowance for seismic upgrades 18,455 8.00 Assumed Not Required

SUBTOTAL

TOTAL - SUPERSTRUCTURE

53

54

\$20,000



Bourne Elementary Schools Design Options Bourne, MA

07-Mar-16

Feasibi	ility Design Submission					GFA	68,100
CSI				UNIT	EST'D	SUB	TOTAL
CODE	DESCRIPTION	OTY	UNIT	COST	COST	TOTAL.	COST

DE	DESCRIPTION	QTY	UNIT	COST	COST	TOTAL	COST
PTION 3E	3 - RENOVATION TO ELEMENTARY SCHOOL			<u>'</u>	•	<u>'</u>	
B26	O EXTERIOR CLOSURE	1					
B20	10 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	
Daa	a MINIDOWS						
B20:	20 WINDOWS Curtainwall replace existing		sf	120.00	ETR		
					ETR		
	Windows/storefront replace existing		sf	85.00			
	Backer rod & double sealant		lf	9.00	ETR		
	Wood blocking at openings SUBTOTAL		lf	4.00	ETR	-	
B20	30 EXTERIOR DOORS						
D2 0,	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						\$5,6
B30	o ROOFING	7					
		1					
В30	10 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	19,043	lf	6.00	ETR		
	Miscellaneous Roofing	1	11	0.00	EIK		
	Repair existing roofing		l _o	200 000 00	200 000		
		1	ls	200,000.00	200,000		
	Roof ladders	1	ls	3,000.00	ETR		
	Walk pads	1	ls	7,500.00	ETR	000 000	
	SUBTOTAL					200,000	
B30	20 ROOF OPENINGS						
	Roof hatch	1	loc	2,500.00	ETR		
	SUBTOTAL					-	
	TOTAL - ROOFING						\$200,0
~	DATEDIOD COLUMNICATION	 ت					
C10	O INTERIOR CONSTRUCTION	J					
C10	10 PARTITIONS						
	A II t di C / li -ti	4-0-	- C	10.00	004 400		

extensive renovation

Allowance to modify/replace existing partitions at

15,800

sf

18.00

284,400



07-Mar-16

Feasibility Design Submission GFA 68,100

	CSI				UNIT	EST'D	SUB	TOTAL
	CODE	DESCRIPTION	QTY	UNIT	COST	COST	TOTAL	COST
	OPTION 3B -	RENOVATION TO ELEMENTARY SCHOOL						
111		Allowance for minor patching at existing partitions at minimal renovation	52,300	sf	2.00	104,600		
112		SUBTOTAL					389,000	
113 114	C1020	INTERIOR DOORS						
115	C1020	Allowance for specialty doors, doors and hardware	15,800	gsf	4.00	63,200		
116		Allowance for ADA hardware at minimal renovation areas	52,300	gsf	2.00	104,600		
117 118		SUBTOTAL					167,800	
119	C1030	SPECIALTIES / MILLWORK						
120		Toilet Partitions and accessories	15,800	gsf	0.80	12,640		
121		Backer panels in electrical closets	1	ls	1,000.00	1,000		
122		Marker boards/tackboards in classrooms, offices,	15,800	sf	1.00	15,800		
		conference rooms, library and MP rooms; 20' tackboard w/ 8' markerboard in each Educational space	15,000	31	1.00	13,000		
123		Building directory	1	loc	3,000.00	In Addition		
124		Bronze dedication plaque	1	loc	2,500.00	In Addition		
125		Room Signs	68,100	gsf	0.40	27,240		
126		Fire extinguisher cabinets	23	ea	350.00	8,050		
127		Corridor Lockers	68,100	gsf	1.00	ETR		
128		Janitors Closet Accessories	1	ls	1,000.00	1,000		
129		Shelving in storage rooms	1	ls	10,000.00	10,000		
130		Staff mailboxes/casework	1	ls	5,000.00	In Addition		
131		Reception desk in Media - allowance		ls	20,000	In Addition		
132		•	1	15	20,000			
133		Library shelving				F,F & E		
		Student cubbies in classrooms	24	rms	6,000.00	144,000		
134		Display cases	1	ls	15,000.00	ETR		
135		Miscellaneous metals throughout building	68,100	sf	0.75	51,075		
136		Miscellaneous sealants throughout building	68,100	sf	0.50	34,050		
137 138		SUBTOTAL					304,855	
139 140		TOTAL - INTERIOR CONSTRUCTION						\$861,655
141 142	C20	STAIRCASES						
143								
144 145	C2010	STAIR CONSTRUCTION Metal pan stair; egress stair; modify existing	2	flt	10,000.00	Assumed Not Required		
146		Concrete fill to stairs	2	flt	2,000.00	NIC		
147		SUBTOTAL					-	
148	_	Cm. vn vvvvcvvc						
149 150	C2020	STAIR FINISHES High performance coating to stairs including all railings etc.	2	flt	3,000.00	6,000		
151		Rubber tile at stairs - landings	300	sf	12.00	3,600		
152		Rubber tile at stairs - treads & risers	230	lft	22.00	5,060		
153		SUBTOTAL					14,660	
154								
155		TOTAL - STAIRCASES						\$14,660
156								<u>'</u>
157 158	Сзо	INTERIOR FINISHES	1					
159	0,50		I					
160	C3010	WALL FINISHES						
161		Allowance for wall finishes at extensive renovation	15,800	gsf	5.00	79,000		
162		Allowance for painting at minor renovation	52,300	gsf	1.50	78,450		



07-Mar-16

I				UNIT	EST'D	SUB	TOTAL
PTION 3B -	DESCRIPTION RENOVATION TO ELEMENTARY SCHOOL	QTY	UNIT	COST	COST	TOTAL	COST
J J.	SUBTOTAL					157,450	
						10.,100	
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
D10	CONVEYING SYSTEMS						
Dio	CONVEHINGSISIEMS						
D1010	ELEVATOR						
	SUBTOTAL					-	
	TOTAL - CONVEYING SYSTEMS						
<u> </u>							
D20	PLUMBING						
Dan	DI LIMBING GENERALLY						
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	0 /0	J			189,600	
	TOTAL - PLUMBING						#49 0
	TOTAL - FLUMBING						\$189
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	1 100 100	
	SUBTOTAL					1,196,400	
	TOTAL - HVAC						\$1,196
D40	FIRE PROTECTION						
L							
D40	FIRE PROTECTION, GENERALLY						
	Sprinkler system; modify existing	68,100	gsf	2.00	136,200		
	SUBTOTAL					136,200	
	TOTAL - FIRE PROTECTION						\$136
D50	ELECTRICAL						
D5010	COMPLETE ELECTRICAL SYSTEM		•	20.55	181.000		
	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	000 100	
	SUBTOTAL					892,400	
							\$892
	TOTAL - ELECTRICAL						

E10 EQUIPMENT

226 227



Feasibility Design Submission

irne Elementary Schools 07-Mar-16

CSI					LIMITE	ECTID	CID	TOTAL
CODE		DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
OPTI	ON 3B - I	RENOVATION TO ELEMENTARY SCHOOL						
	E10	EQUIPMENT, GENERALLY		,	10 000 00	T 4 1 1		
		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	1	ls	75,000.00	75,000		
		controls						
		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,				FF+E		
		LED monitors, Digital information displays etc.)				11.2		
		SUBTOTAL					120,000	
		TOTAL - EQUIPMENT						\$120,0
	E20	FURNISHINGS						
	E20	FURNISHINGS						
	E2010	FIXED FURNISHINGS						
		Entry mats & frames - recessed with carpet/rubber	500	sf	45.00	22,500		
		strips Manual appareted valler shades		of.	6.00 E	TD		
		Manual operated roller shades		sf				
		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						\$117,30
	F10	SPECIAL CONSTRUCTION						
	F10	SPECIAL CONSTRUCTION						
		No Work in this section						
		SUBTOTAL						
		TOTAL - SPECIAL CONSTRUCTION						
		TOTAL STEERLE CONSTRUCTION						
	F20	SELECTIVE BUILDING DEMOLITION						
	F2010	BUILDING ELEMENTS DEMOLITION						
	12010	Extensive demolition of renovation areas; finishes,	15,800	sf	8.00	126,400		
		doors, MEP systems, casework and specialties at extensive renovations	-0,			,		
			FO 000	ot	2.00	104 600		
		Minor demolition of renovation areas; finishes, doors, MEP systems, casework and specialties at minor	52,300	sf	2.00	104,600		
		renovations		C	6.00	ETR		
				C1		LII		
		Demo of exterior windows		sf	6.00	ETD		
		Demo of exterior windows Demo of roof included in Divisions above		SI	6.00	ETR	991 000	
		Demo of exterior windows		SI	6.00	ETR	231,000	
	F2020	Demo of exterior windows Demo of roof included in Divisions above		SI	6.00	ETR	231,000	
	F2020	Demo of exterior windows Demo of roof included in Divisions above SUBTOTAL		SI		ETR ee Summary	231,000	
	F2020	Demo of exterior windows Demo of roof included in Divisions above SUBTOTAL HAZARDOUS COMPONENTS ABATEMENT		SI			231,000	

GFA



07-Mar-16

Feasibility Design Submission GFA 68,100

CSI	n reconverses.	OTTE	TINITE	UNII	ESTD	SUB	IUIAL
CODE	DESCRIPTION	QTY	UNIT	COST	COST	TOTAL	COST

OPTION 3B - RENOVATION TO ELEMENTARY SCHOOL





Feasibility Design Submission

CSI				UNII	ESI D	ЗОВ	IOIAL	1
CODE	DESCRIPTION	QTY	UNIT	COST	COST	TOTAL	COST	l
SITE	WORK OPTION 3B							
	G SITEWORK							

\boldsymbol{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					
			laa	15,000.00	15,000	
	Construction entrances/wheel washes (allowance) Strip topsoil, store on site for reuse	1 2,481	loc	8.00	19,848	
	Cut/fill	18,519	cy 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	су	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	
		10	ea	800.00	8,000	
	()rnamental trash/recycling recentacies	10	ca	550.00	0,000	
	Ornamental trash/recycling receptacles		le	75 000 00	75 000	
	Seating walls	1	ls sf	75,000.00 55.00	75,000 187,000	
	Seating walls Segmented block retaining walls	1 3,400	sf	55.00	187,000	
	Seating walls	1				



\$3,398,603



Bourne Elementary Schools Design Options Bourne, MA

Feasibility Design Submission

	CSI CODE SITEWORK (DESCRIPTION OPTION 3B	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
61	JIII ORK	Play equipment	1	ls	180,000.00	180,000		
62		Other sitework improvements	1	ls	25,000.00	25,000		
63		Tennis Courts	24,200	15	20,000.00	20,000		
64		Gravel base - 12" thick	896	cy	35.00	NIC		
65		Tennis court surface - color coated acrylic over asphalt	2,689	sy	42.00	NIC		
66		Nets and posts	4	courts	900.00	NIC		
67		Vinyl CL Fencing; 10'	643	lf	55.00	NIC		
68		Gate, single	2	ea	1,200.00	NIC		
69		Landscaping & Plantings:						
70		Spread existing amended topsoil @ seeded areas	1,852	cy	22.00	40,744		
71		New seeded areas - L&S	100,000	sf	0.20	20,000		
72		Trees	12	ea	1,000.00	12,000		
73		Shrubs/plantings and Groundcover	1	ls	50,000.00	50,000		
74		SUBTOTAL					\$948,119	
75								
76 77	G30	CIVIL MECHANICAL UTILITIES Water supply						
78		New fire DI piping; 8"	660	lf	80.00	52,800		
79		New fire DI piping; 6"	660	lf	70.00	46,200		
80		New fire hydrant	2	loc	2,600.00	5,200		
81		FD connection	1	loc	2,000.00	2,000		
82		Gate valves		loc	750.00	3,000		
83			4		5,000.00	5,000		
84		Connect to existing line (Wet Taps)	1	loc	5,000.00	3,000		
85		Sanitary sewer 8" sewer	=00	16	48.00	22 600		
86			700	lf	48.00	33,600		
87		Connect to existing	1	loc	1,500.00	1,500		
88		6,000 gal grease trap	1	loc	12,000.00	12,000		
89		SMH	5	loc	4,000.00	20,000		
90		Increase septic reserve by 50%	4,050	sf	50.00	202,500		
91		Storm Sewer		,	500 000 00	500,000		
92		Allowance for stormwater management	1	ls	500,000.00	500,000		
93		Gas and Telecom service						
94		E&B trench for new lines, pipe and install by utilities		10	07.00	40.500		
		New gas service	660	lf	25.00	16,500		
95		New telecom service	660	lf	25.00	16,500	0040.000	
96 97		SUBTOTAL					\$916,800	
98	G40	SITE ELECTRICAL						
99	040	Power Power						
100		Tap main power source	1	ea	3,000.00	3,000		
101		Primary ductbank	660	lf	65.00	42,900		
102		Primary cabling			U	tility company		
103		Pad mounted transformer			U	tility company		
104		Transformer pad	1	ea	3,000.00	3,000		
105		Secondary ductbank						
106		Secondary ductbank cabling	50	lf	300.00	15,000		
107		Generator ductbank						
108		Generator ductbank	50	lf	250.00	12,500		
109		Communications						
110		Communications ductbank	660	lf	85.00	56,100		
111		Site Lighting/Power						
112		Site lighting, roadway, parking, pathways and	1	ls	100,000.00	100,000		
		landscaping						
113		SUBTOTAL					\$232,500	
114 115								
115	CURTO	TAL SITE DEVELOPMENT OPTION 2R						\$2.208.602

SUBTOTAL SITE DEVELOPMENT OPTION 3B

117



Feasibility Design Submission

Bourne, MA

	BUILDING		ON COST SUMM. SUB-TOTAL	TOTAL	\$/SF	%
TION		W ELEMENTARY SCHOOL		101111	Ψ/21	70
A10	FOUND	DATIONS				
	A1010	Standard Foundations	\$809,723			
	A1020	Special Foundations	\$0			
	A1030	Lowest Floor Construction	\$637,547	\$1,447,270	\$19.97	7.79
A20	BASEM	ENT CONSTRUCTION				
	A2010	Basement Excavation	\$0			
	A2020	Basement Walls	\$0	\$0	\$0.00	0.09
B10	SUPER	STRUCTURE				
	B1010	Upper Floor Construction	\$919,211			
	B1020	Roof Construction	\$1,448,622	\$2,367,833	\$32.67	12.69
B20	EXTER	IOR CLOSURE				
	B2010	Exterior Walls	\$1,751,867			
	B2020	Windows	\$1,591,138			
	B2030	Exterior Doors	\$58,541	\$3,401,546	\$46.94	18.19
Взо	ROOFII	NG				
	B3010	Roof Coverings	\$1,037,826			
	B3020	Roof Openings	\$12,500	\$1,050,326	\$14.49	5.69
C10	INTERI	OR CONSTRUCTION				
	C1010	Partitions	\$1,314,566			
	C1020	Interior Doors	\$289,892			
	C1030	Specialties/Millwork	\$477,646	\$2,082,104	\$28.73	11.19
C20	STAIRO	CASES				
	C2010	Stair Construction	\$104,000			
	C2020	Stair Finishes	\$14,660	\$118,660	\$1.64	0.69
С30	INTERI	OR FINISHES				
	C3010	Wall Finishes	\$362,365			
	C3020	Floor Finishes	\$507,311			
	C3030	Ceiling Finishes	\$507,311	\$1,376,987	\$19.00	7.39
D10	CONVE	YING SYSTEMS				
	D1010	Elevator	\$90,000	\$90,000	\$1.24	0.59
D20	PLUME	BING				
	D20	Plumbing	\$869,676	\$869,676	\$12.00	4.69

07-Mar-16

72,473

GFA



Feasibility Design Submission

ne Elementary Schools 07-Mar-16

		CONSTRUCTION	COST SUMM	ARY		
	BUILDING		SUB-TOTAL	TOTAL	\$/SF	%
PTION	4A - NEV	W ELEMENTARY SCHOOL				
D30	HVAC					
	D30	HVAC	\$2,609,028	\$2,609,028	\$36.00	13.9%
D40	FIRE P	ROTECTION				
	D40	Fire Protection	\$326,129	\$326,129	\$4.50	1.7%
D50	ELECT	RICAL				
	D5010	Complete System	\$2,029,244	\$2,029,244	\$28.00	10.8%
E10	EQUIP	MENT				
	E10	Equipment	\$506,200	\$506,200	\$6.98	2.7%
E20	FURNIS	SHINGS				
	E2010	Fixed Furnishings	\$529,224			
	E2020	Movable Furnishings	NIC	\$529,224	\$7.30	2.8%
F10	SPECIA	AL CONSTRUCTION				
	F10	Special Construction	\$0	\$0	\$0.00	0.0%
F20	HAZMA	AT REMOVALS				
	F2010	Building Elements Demolition	\$0			
	F2020	Hazardous Components Abatement	\$0	\$0	\$0.00	0.0%
TOTA	I DIDE	CT COST (Trade Costs)		\$18,804,227	\$259.47	100.0%

GFA



Bourne Elementary Schools Design Options Bourne, MA

07-Mar-16

Feasibi	ility Design Submission					GFA	72,473
CSI				UNIT	EST'D	SUB	TOTAL
CODE	DESCRIPTION	OTY	UNIT	COST	COST	TOTAL.	COST

OPTIO	ON 4A - NEW I	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	сy	14.00	12,068	
	Backfill with new fill	608	сy	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	сy	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	сy	14.00	8,050	
	Backfill with new fill	392	сy	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	
	Placing concrete Set anchor bolts grout plates	183 29	cy ea	55.00 150.00	10,065 4,350	



63

65

67

69

71

72

73

75

76

77

81 82 83

84 85

87

88 89

91

92 93

94 95 96

97

98

gc

100

101

102

103

104

105

106

107

108

109

110

Bourne Elementary Schools Design Options Bourne, MA

Feasibility Design Submission

07-Mar-16

CSI				UNIT	EST'D	SUB	TOTAL
CODE	DESCRIPTION	QTY	UNIT	COST	COST	TOTAL	COST
ODTI	ON A NEW ELEMENTA DV COLLOGI						

OPTION 4A - NEW ELEMENTARY SCHOOL SUBTOTAL. 809,723 58 A1020 SPECIAL FOUNDATIONS 59 No Work in this section 60 SUBTOTAL A1030 LOWEST FLOOR CONSTRUCTION New Slab on grade, 5" thick Structural gravel fill, 8" 30.00 35,100 1,170 cy Base course, 8" gravel 35.00 40,950 1,170 cy Rigid insulation 2.25 106,585 47,371 sf Vapor barrier sf 0.75 35,528 47,371 2.50 Under slab drainage -allow 118.428 47,371 sf Mesh reinforcing 15% lap sf 0.80 43,582 54,477 Concrete - 5" thick 125.00 96.750 774 cy Placing concrete 45.00 34,830 774 cy Finishing and curing concrete 1.50 71,057 47,371 sf Control joints - saw cut 0.10 4,737 47,371 sfMiscellaneous New Elevator pits 25,000.00 25,000 1 ea New loading dock - allow 20.000.00 20,000 ls Equipment pads - allow ls 5,000.00 5,000 78 SUBTOTAL 637.547 79 80 TOTAL - FOUNDATIONS \$1,447,270 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 2.50 12,550 ea Floor Structure 3" Metal floor Deck 4.00 100,408 25,102 sf WWF reinforcement 0.80 28,867 sf23.094 Concrete Fill to metal deck; 5 1/4" Light weight 170.00 68,000 400 cy 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 2.50 62,755 sf 5,000.00 10,000 Fire stopping floors 2 flrs

GFA



Bourne Elementary Schools Design Options Bourne, MA

TOTAL - SUPERSTRUCTURE

07-Mar-16

	Feasibility Desig	gn Submission					GFA	72,473
	CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
	OPTION 4A -	NEW ELEMENTARY SCHOOL						
111		SUBTOTAL					919,211	
112								
113	B1020	ROOF CONSTRUCTION						
114		Roof Structure - Steel:						
115		Steel beams/Joists; 12#/SF	284	tns	3,400.00	965,600		
116		Roof Structure						
117		3" Metal floor Deck @ roof	36,071	sf	4.00	144,284		
118		Acoustic deck at gym, 3", type NA	11,300	sf	7.00	79,100		
119		Roof Structure @ Mech Equipment/Low roof						
120		WWF reinforcement	9,315	sf	0.80	7,452		
121		Concrete Fill to metal deck; 5 1/4" Light weight	129	cy	170.00	21,930		
122		Place and finish concrete	8,100	sf	3.00	24,300		
123		<u>Miscellaneous</u>						
124		Canopy framing - allow	1	ls	30,000.00	30,000		
125		Roof screen framing - allow	1,100	sf	20.00	22,000		
126		Fire proofing to columns, beams and deck	47,371	sf	3.25	153,956		
127		SUBTOTAL					1,448,622	

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					

\$2,367,833



Bourne Elementary Schools Design Options Bourne, MA

Feasibility Design Submission

07-Mar-16

easibili	ny Desig	n Submission					GFA	72
CODE		DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
	N 4A - I	NEW ELEMENTARY SCHOOL	ε					
		Glazed entrance doors including frame and hardware; double door $% \left\{ 1\right\} =\left\{ 1\right\} =\left\{$	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	
Г		TOTAL - EXTERIOR CLOSURE						\$3,401,
	Взо	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	
Γ		TOTAL - ROOFING						\$1,050
_								
	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	
	0	INTERIOR DOORS						
	U1020	INTERIOR DOORS Allowance for specialty doors, doors and hardware	72,473	gsf	4.00	289,892		
	010_0	· · · · · · · · · · · · · · · · · · ·						
	01020	SUBTOTAL					289,892	
		SUBTOTAL					289,892	
		•	7 2 ,473	gsf	0.80	57,978	289,892	

GFA



Feasibility Design Submission

rne Elementary Schools 07-Mar-16

I			1	I	UNIT	EST'D	SUB	TOTAL
DE	NT - A -	DESCRIPTION	QTY	UNIT	COST	COST	TOTAL	COST
110	N 4A - N	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'	72,473	sf	1.00	72,473		
		tackboard w/8' markerboard in each Educational						
		space						
		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	
г		TOTAL - INTERIOR CONSTRUCTION						\$0.00c
L		TOTAL - INTERIOR CONSTRUCTION						\$2,082,
г		CTAIDCACEC	7					
	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	
	Canan	STAIR FINISHES						
	C2020	High performance coating to stairs including all	2	flt	3,000.00	6,000		
		railings etc.						
		Rubber tile at stairs - landings	300	sf	12.00	3,600		
		Rubber tile at stairs - landings Rubber tile at stairs - treads & risers	300 230	sf lft	12.00 22.00	3,600 5,060		
		<u>o</u>	_				14,660	
r		Rubber tile at stairs - treads & risers SUBTOTAL	_				14,660	¢110
		Rubber tile at stairs - treads & risers	_				14,660	\$118,0
		Rubber tile at stairs - treads & risers SUBTOTAL TOTAL - STAIRCASES	_				14,660	\$118,0
	С30	Rubber tile at stairs - treads & risers SUBTOTAL	_				14,660	\$118,
		Rubber tile at stairs - treads & risers SUBTOTAL TOTAL - STAIRCASES	_				14,660	\$118,0
		Rubber tile at stairs - treads & risers SUBTOTAL TOTAL - STAIRCASES INTERIOR FINISHES	_				14,660	\$118,0
		Rubber tile at stairs - treads & risers SUBTOTAL TOTAL - STAIRCASES INTERIOR FINISHES WALL FINISHES	230	lft	22.00	5,060	14,660 362,365	\$118,6
	C3010	Rubber tile at stairs - treads & risers SUBTOTAL TOTAL - STAIRCASES INTERIOR FINISHES WALL FINISHES Allowance for wall finishes SUBTOTAL	230	lft	22.00	5,060		\$118,6
	C3010	Rubber tile at stairs - treads & risers SUBTOTAL TOTAL - STAIRCASES INTERIOR FINISHES WALL FINISHES Allowance for wall finishes SUBTOTAL FLOOR FINISHES	72,473	lft gsf	5.00	5,060 362,365		\$118,6
	C3010	Rubber tile at stairs - treads & risers SUBTOTAL TOTAL - STAIRCASES INTERIOR FINISHES WALL FINISHES Allowance for wall finishes SUBTOTAL FLOOR FINISHES Allowance for floor finishes	230	lft	22.00	5,060	362,365	\$118,0
	C3010	Rubber tile at stairs - treads & risers SUBTOTAL TOTAL - STAIRCASES INTERIOR FINISHES WALL FINISHES Allowance for wall finishes SUBTOTAL FLOOR FINISHES	72,473	lft gsf	5.00	5,060 362,365		\$118,6
	C3010	Rubber tile at stairs - treads & risers SUBTOTAL TOTAL - STAIRCASES INTERIOR FINISHES WALL FINISHES Allowance for wall finishes SUBTOTAL FLOOR FINISHES Allowance for floor finishes	72,473	lft gsf	5.00	5,060 362,365	362,365	\$118,6
	C3010	Rubber tile at stairs - treads & risers SUBTOTAL TOTAL - STAIRCASES INTERIOR FINISHES WALL FINISHES Allowance for wall finishes SUBTOTAL FLOOR FINISHES Allowance for floor finishes SUBTOTAL CEILING FINISHES Allowance for ceiling finishes	72,473	lft gsf	5.00	5,060 362,365	362,365	\$118,6
	C3010	Rubber tile at stairs - treads & risers SUBTOTAL TOTAL - STAIRCASES INTERIOR FINISHES WALL FINISHES Allowance for wall finishes SUBTOTAL FLOOR FINISHES Allowance for floor finishes SUBTOTAL CEILING FINISHES	72,473	gsf gsf	5.00	5,060 362,365 507,311	362,365	\$118,6

278

GFA



341

Bourne Elementary Schools Design Options Bourne, MA

Feasibility Design Submission

07-Mar-16

easibility De	sign Submission					GFA	72,
SI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
OPTION 4A	- NEW ELEMENTARY SCHOOL						
D10	CONVEYING SYSTEMS						
D101	o ELEVATOR						
2101	New elevator; 2 stop	1	ea	90,000.00	90,000		
	SUBTOTAL					90,000	
	TOTAL - CONVEYING SYSTEMS						\$90,0
	TOTAL CONVETENCE STREET						Ψ90,0
Dog	DITIMBING	7					
D20	PLUMBING						
D20	*	50 4 5 0	act	12.00	869,676		
	Plumbing; complete system SUBTOTAL	72,473	gsf	12.00	809,070	869,676	
	SOBTOTAL					809,070	
	TOTAL - PLUMBING						\$869,
D30	HVAC						
D30	HVAC GENERALLY						
D30	HVAC, GENERALLY HVAC complete system	72,473	gsf	36.00	2,609,028		
	SUBTOTAL					2,609,028	
	TOTAL - HVAC						\$2,609,0
	TOTALL-TIVAC						Ψ2,009,0
Die	EIDE BROTECTION	7					
D40	FIRE PROTECTION	_					
D40			C	4.50	200 100		
	Sprinkler system SUBTOTAL	72,473	gsf	4.50	326,129	326,129	
	SUBTOTAL					320,129	
	TOTAL - FIRE PROTECTION						\$326,
D50	ELECTRICAL]					
D501	O COMPLETE ELECTRICAL SYSTEM						
-0	Electrical system; complete	7 2 ,473	gsf	28.00	2,029,244		
	SUBTOTAL	, , , , ,	J			2,029,244	
	TOTAL - ELECTRICAL						\$2,029,2
Ero	EQUIDMENT.	7					
E10	EQUIPMENT	_					
E10	· · · · · · · · · · · · · · · · · · ·						
	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,				FF+E		
	LED monitors, Digital information displays etc.)						
	SUBTOTAL					506,200	
	TOTAL - EQUIPMENT						\$506,2
	I UIAL - EQUIPMENI						\$500 ,

GFA



344 345

346

347

348

349

350 351

352

354 355

356 357 358

359 360

361

362

363 364

365 366 367

368 369

370

371

372 373

374

375

376 377

Design Options Bourne, MA

Feasibility Design Submission

Bourne Elementary Schools 07-Mar-16

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

OPTION 4A - NEW ELEMENTARY SCHOOL E20 FURNISHINGS E2010 FIXED FURNISHINGS Entry mats & frames - recessed with carpet/rubber 500 sf 45.00 22,500 strips Manual operated roller shades 6.00 11,981 sf 71,886 Counters, base cabinets, tall storage in classrooms gsf 6.00 434,838 72,473 and other rooms SUBTOTAL 529,224 E2020 MOVABLE FURNISHINGS All movable furnishings to be provided and installed by owner SUBTOTAL NIC TOTAL - FURNISHINGS \$529,224 SPECIAL CONSTRUCTION F10 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

SUBTOTAL

TOTAL - SELECTIVE BUILDING DEMOLITION

See Summary

GFA





Bourne Elementary Schools Design Options Bourne, MA

Feasibility Design Submission

Flag pole base

Seating walls

Play surface

Track surface

Play equipment

Dumpster enclosure

Ornamental trash/recycling receptacles

Segmented block retaining walls

53

54

55

56

57

58

59

SI CODE	DESCRIPTION AA	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
ITEWORK (JP HON 4A						
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	су	8.00	59,552		
	Cut/fill	42,000	сy	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 SUBTOTAL	1	ls	10,000.00	10,000	\$385,826	
	SUBTOTAL					3363,620	
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	10,000		35.00	12,950		
	bituminous concrete; 3" thick	370 1,111	cy sy	28.00	31,108		
	Concrete Pavers	1,111	3,9	20.00	01,100		
	Concrete pavers						
	Precast concrete pavers	10,500	sf	16.00	168,000		
	gravel base; 8" thick	261	сy	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		
	71			1,500,00	1.500		

loc

ea

ls

sf

lf

sf

sf

ls

1

10

1

2,112

100

3,333

6,666

1

1,500.00

800.00

55.00

60.00

16.00

8.00

120,000.00

75,000.00

1,500

8,000

75,000

116,160

6,000

53,328

53,328





Bourne Elementary Schools Design Options Bourne, MA

Feasibility Design Submission

CSI CODE SITEWORK (DESCRIPTION DESCRIPTION 4A	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
SIILWORK	Tennis Courts	24,200					
	Gravel base - 12" thick	896	cy	35.00	31,360		
	Tennis court surface - color coated acrylic over	2,689	sy	42.00	112,938		
	asphalt						
	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						
030	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				ility company		
	Pad mounted transformer				ility company		
	Transformer pad	1	ea	3,000.00	3,000		
	Secondary ductbank		10				
	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	1	ls	60,000.00	60,000		
	landscaping					\$121,000	
	SUBTOTAL					\$131,000	
_							
SUBTO	TAL SITE DEVELOPMENT OPTION 4A						\$2,998

Bourne Elementary Schools Feasibility Options 3.7.16 Page 93 PMC - Project Management Cost



Feasibility Design Submission

07-Mar-16

		CONSTRUCTION	ON COST SUMM	ARY		
	BUILDING		SUB-TOTAL	TOTAL	\$/SF	%
OPTION	4B - NEV	W ADDITION TO ELEMENTARY SO	CHOOL			
A10	FOUNI	DATIONS				
	A1010	Standard Foundations	\$579,426			
	A1020	Special Foundations	\$0			
	A1030	Lowest Floor Construction	\$475,946	\$1,055,372	\$30.25	11.1%
A20	BASEM	IENT CONSTRUCTION				
	A2010	Basement Excavation	\$0			
	A2020	Basement Walls	\$0	\$0	\$0.00	0.0%
B10	SUPER	STRUCTURE				
	B1010	Upper Floor Construction	\$46,312			
	B1020	Roof Construction	\$1,088,991	\$1,135,303	\$32.54	11.9%
B20	EXTER	IOR CLOSURE				
	B2010	Exterior Walls	\$774,333			
	B2020	Windows	\$655,526			
	B2030	Exterior Doors	\$58,541	\$1,488,400	\$42.66	15.6%
В30	ROOFI	NG				
	B3010	Roof Coverings	\$763,861			
	B3020	Roof Openings	\$12,500	\$776,361	\$22.25	8.1%
C10	INTER	IOR CONSTRUCTION				
	C1010	Partitions	\$647,845			
	C1020	Interior Doors	\$139,544			
	C1030	Specialties/Millwork	\$244,852	\$1,032,241	\$29.59	10.8%
C20	STAIR	CASES				
	C2010	Stair Construction	\$42,000			
	C2020	Stair Finishes	\$7,330	\$49,330	\$1.41	0.5%
С30	INTER	IOR FINISHES				
	C3010	Wall Finishes	\$174,430			
	C3020	Floor Finishes	\$244,202			
	C3030	Ceiling Finishes	\$244,202	\$662,834	\$19.00	6.9%
D10	CONVE	EYING SYSTEMS				
	D1010	Elevator	\$90,000	\$90,000	\$2.58	0.9%
D20	PLUMI	BING				
	D20	Plumbing	\$418,632	\$418,632	\$12.00	4.4%

GFA



Feasibility Design Submission

07-Mar-16

	BUILDING	CONSTRUCTION SYSTEM	SUB-TOTAL	TOTAL	\$/SF	%
TION		N ADDITION TO ELEMENTARY SCHO			47.00	
D30	HVAC					
	D30	HVAC	\$1,255,896	\$1,255,896	\$36.00	13.2%
D40	FIRE P	ROTECTION				
	D40	Fire Protection	\$156,987	\$156,987	\$4.50	1.6%
D50	ELECT	RICAL				
	D5010	Complete System	\$1,046,580	\$1,046,580	\$30.00	11.0%
E10	EQUIP	MENT				
	E10	Equipment	\$121,200	\$121,200	\$3.47	1.3%
E20	FURNIS	SHINGS				
	E2010	Fixed Furnishings	\$255,906			
	E2020	Movable Furnishings	NIC	\$255,906	\$7.34	2.7%
F10	SPECIA	L CONSTRUCTION				
	F10	Special Construction	\$0	\$0	\$0.00	0.0%
F20	HAZMA	AT REMOVALS				
	F2010	Building Elements Demolition	\$0			
	F2020	Hazardous Components Abatement	\$0	\$0	\$0.00	0.0%
TOTA	II DIDE	CT COST (Trade Costs)		\$9,545,042	\$273.61	100.0%

GFA



Feasibility Design Submission

rne Elementary Schools 07-Mar-16

CSI				UNIT	EST'D	SUB	TOTAL
CODE	DESCRIPTION	OTY	UNIT	COST	COST	TOTAL.	COST

OPTION 4B - NEW ADDITION TO ELEMENTARY SCHOOL

GROSS FLOOR AREA CALCULATION

First Floor 34,346
Second Floor 540

A10 FOUNDATIONS
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
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
Strip footings - 3'-0" x 2'-0" 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
Strip footings - 3'-0" x 2'-0" 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
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
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
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
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
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
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
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
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
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
Concrete material; 4,000 psi 151 cy 135.00 20,385 Placing concrete 151 cy 65.00 9,815
Placing concrete 151 cy 65.00 9,815
TO 0 0 1 11 11 10 11
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 If 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

GFA



ourne, MA

CSI	T =	n Submission	1	1	UNIT	EST'D	GFA SUB	34,88
CODE		DESCRIPTION	QTY	UNIT	COST	COST	TOTAL	COST
OPTI	ON 4B - 1	NEW ADDITION TO ELEMENTARY SCHOOL						
		Allowance for foundations against existing building	221	lf	340.00	75,140		
		SUBTOTAL					579,426	
	•	CDECLAL FOLDING ATTONIC						
	A1020	SPECIAL FOUNDATIONS No Work in this section						
		SUBTOTAL						
		SODIOTAL						
	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						\$1,055,37
	A20	BASEMENT CONSTRUCTION	1					
			1					
	A2010	BASEMENT EXCAVATION						
		No items in this section						

No items in this section

SUBTOTAL

A2020 BASEMENT WALLS

No items in this section

SUBTOTAL

TOTAL - BASEMENT CONSTRUCTION

В10	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

07-Mar-16



Bourne Elementary Schools Design Options Bourne, MA

Feasibility Design Submission

rne Elementary Schools 07-Mar-16

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
OPTI	ON 4B - NEW ADDITION TO ELEMENTARY SCHOOL						
110	Fire stopping floors	1	flrs	5,000.00	5,000		
111	SUBTOTAL					46,312	
112							
113	B1020 ROOF CONSTRUCTION						
114	Roof Structure - Steel:						
115	Steel beams/Joists; 12#/SF	206	tns	3,400.00	700,400		
116	Roof Structure						
117	3" Metal floor Deck @ roof	23,046	sf	4.00	92,184		
118	Acoustic deck at gym, 3", type NA	11,300	sf	7.00	79,100		
119	Roof Structure @ Mech Equipment/Low roof						
120	WWF reinforcement	9,315	sf	0.80	7,452		
121	Concrete Fill to metal deck; 5 1/4" Light weight	129	cy	170.00	21,930		
122	Place and finish concrete	8,100	sf	3.00	24,300		
123	Miscellaneous						
124	Canopy framing - allow	1	ls	30,000.00	30,000		
125	Roof screen framing - allow	1,100	sf	20.00	22,000		
126	Fire proofing to columns, beams and deck	34,346	sf	3.25	111,625		
127	SUBTOTAL	•				1,088,991	
128							
129	TOTAL - SUPERSTRUCTURE						\$1,135,303
130							

B20	EXTERIOR CLOSURE					
B2010	EXTERIOR WALLS Interior skin	9,707	sf			
	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

GFA



Feasibility Design Submission

urne Elementary Schools 07-Mar-16

PTION 4B - 1	DESCRIPTION NEW ADDITION TO ELEMENTARY SCHOOL	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
	EXTERIOR DOORS						
Б2030	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,
Взо	ROOFING						
В3010	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		la.	10,000.00	10,000		
	Skylights, allow Roof hatch	1	ls	*	•		
	SUBTOTAL	1	loc	2,500.00	2,500	12 500	
	SUBTUTAL					12,500	
	TOTAL - ROOFING						\$776
C10	INTERIOR CONSTRUCTION						
C1010	PARTITIONS						
01010	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		
		4 000	sf	15.85	19,527		
	Partitions at Admin spaces, back of house etc.	1,232					
	Partitions at Admin spaces, back of house etc. Sealants & caulking at partitions	1,232 22,174	sf	0.50	11,087		
	•		sf lf	0.50 3.00	11,087 5,118		
	Sealants & caulking at partitions	22,174					
	Sealants & caulking at partitions Rough blocking to partitions	22,174 1,706	lf	3.00	5,118		
	Sealants & caulking at partitions Rough blocking to partitions Glazed partitions/borrowed lights - allowance	22,174 1,706 1	lf ls	3.00 75,000.00	5,118 75,000	647,845	
Cioso	Sealants & caulking at partitions Rough blocking to partitions Glazed partitions/borrowed lights - allowance Miscellaneous partitions not yet shown SUBTOTAL	22,174 1,706 1	lf ls	3.00 75,000.00	5,118 75,000	647,845	
C1020	Sealants & caulking at partitions Rough blocking to partitions Glazed partitions/borrowed lights - allowance Miscellaneous partitions not yet shown	22,174 1,706 1	lf ls	3.00 75,000.00	5,118 75,000	647,845	
C1020	Sealants & caulking at partitions Rough blocking to partitions Glazed partitions/borrowed lights - allowance Miscellaneous partitions not yet shown SUBTOTAL INTERIOR DOORS	22,174 1,706 1 34,886	lf ls gsf	3.00 75,000.00 5.00	5,118 75,000 174,430	647,845 139,544	

GFA



Feasibility Design Submission GFA 34,886

NE .			1	UNIT	EST'D	SUB	TOTAL
DE TION 4B - I	DESCRIPTION NEW ADDITION TO ELEMENTARY SCHOOL	QTY	UNIT	COST	COST	TOTAL	COST
110N 4B - I	Toilet Partitions and accessories	34,886	gof	0.80	27,909		
			gsf				
	Backer panels in electrical closets Marker boards (teal boards in electrons offices)	1 04 996	ls	1,000.00 1.00	1,000 34,886		
	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	34,000		
	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	34,000	31	1.23	40,000	244,852	
	SOBIOTAL					244,002	
	TOTAL - INTERIOR CONSTRUCTION						\$1,032,2
C20	STAIRCASES						
Canto	STAIR CONSTRUCTION	<u></u>					
C2010	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	SUBTOTAL STAIR FINISHES					42,000	
C2020		1	flt	3,000.00	3,000	42,000	
C2020	STAIR FINISHES High performance coating to stairs including all	1	sf	12.00	1,800	42,000	
C2020	STAIR FINISHES High performance coating to stairs including all railings etc.			·	•	42,000	
C2020	STAIR FINISHES High performance coating to stairs including all railings etc. Rubber tile at stairs - landings	150	sf	12.00	1,800	42,000 7,330	
C2020	STAIR FINISHES High performance coating to stairs including all railings etc. Rubber tile at stairs - landings Rubber tile at stairs - treads & risers	150	sf	12.00	1,800		\$49.3
	STAIR FINISHES High performance coating to stairs including all railings etc. Rubber tile at stairs - landings Rubber tile at stairs - treads & risers SUBTOTAL TOTAL - STAIRCASES	150	sf	12.00	1,800		\$49,3
C30	STAIR FINISHES High performance coating to stairs including all railings etc. Rubber tile at stairs - landings Rubber tile at stairs - treads & risers SUBTOTAL TOTAL - STAIRCASES INTERIOR FINISHES	150	sf	12.00	1,800		\$49,3
C30	STAIR FINISHES High performance coating to stairs including all railings etc. Rubber tile at stairs - landings Rubber tile at stairs - treads & risers SUBTOTAL TOTAL - STAIRCASES INTERIOR FINISHES WALL FINISHES	150 115	sf lft	12.00 22.00	1,800 2,530		\$49,3
C30	STAIR FINISHES High performance coating to stairs including all railings etc. Rubber tile at stairs - landings Rubber tile at stairs - treads & risers SUBTOTAL TOTAL - STAIRCASES INTERIOR FINISHES Allowance for wall finishes	150	sf	12.00	1,800	7,330	\$49,3
C30	STAIR FINISHES High performance coating to stairs including all railings etc. Rubber tile at stairs - landings Rubber tile at stairs - treads & risers SUBTOTAL TOTAL - STAIRCASES INTERIOR FINISHES WALL FINISHES	150 115	sf lft	12.00 22.00	1,800 2,530		\$49,3
<i>C30</i> C3010	STAIR FINISHES High performance coating to stairs including all railings etc. Rubber tile at stairs - landings Rubber tile at stairs - treads & risers SUBTOTAL TOTAL - STAIRCASES INTERIOR FINISHES Allowance for wall finishes	150 115	sf lft	12.00 22.00	1,800 2,530	7,330	\$49,3
<i>C30</i> C3010	STAIR FINISHES High performance coating to stairs including all railings etc. Rubber tile at stairs - landings Rubber tile at stairs - treads & risers SUBTOTAL TOTAL - STAIRCASES INTERIOR FINISHES Allowance for wall finishes SUBTOTAL	150 115	sf lft	12.00 22.00	1,800 2,530	7,330	\$49,3
C30 C3010	STAIR FINISHES High performance coating to stairs including all railings etc. Rubber tile at stairs - landings Rubber tile at stairs - treads & risers SUBTOTAL TOTAL - STAIRCASES INTERIOR FINISHES Allowance for wall finishes SUBTOTAL FLOOR FINISHES	150 115 34,886	sf lft	12.00 22.00	1,800 2,530 174,430	7,330	\$49,3
C30 C3010	STAIR FINISHES High performance coating to stairs including all railings etc. Rubber tile at stairs - landings Rubber tile at stairs - treads & risers SUBTOTAL TOTAL - STAIRCASES INTERIOR FINISHES Allowance for wall finishes SUBTOTAL FLOOR FINISHES Allowance for floor finishes	150 115 34,886	sf lft	12.00 22.00	1,800 2,530 174,430	7,330 174,430	\$49,3
C3010 C3020	STAIR FINISHES High performance coating to stairs including all railings etc. Rubber tile at stairs - landings Rubber tile at stairs - treads & risers SUBTOTAL TOTAL - STAIRCASES INTERIOR FINISHES Allowance for wall finishes SUBTOTAL FLOOR FINISHES Allowance for floor finishes SUBTOTAL	150 115 34,886	sf lft	12.00 22.00	1,800 2,530 174,430	7,330 174,430	\$49,3
C30 C3010	STAIR FINISHES High performance coating to stairs including all railings etc. Rubber tile at stairs - landings Rubber tile at stairs - treads & risers SUBTOTAL TOTAL - STAIRCASES INTERIOR FINISHES Allowance for wall finishes SUBTOTAL FLOOR FINISHES Allowance for floor finishes SUBTOTAL CEILING FINISHES	34,886 34,886	sf lft gsf	12.00 22.00 5.00	1,800 2,530 174,430 244,202	7,330 174,430	\$49,3

275 276 07-Mar-16



 Bourne Elementary Schools Design Options Bourne, MA

07-Mar-16

SI	ign Submission	1	1	UNIT	EST'D	GFA SUB	TOTAL
ODE	DESCRIPTION	QTY	UNIT	COST	COST COST	SUB TOTAL	COST
PTION 4B	- NEW ADDITION TO ELEMENTARY SCHOOL						
D1016	o ELEVATOR			00 000 00	00.000		
	New elevator; 2 stop	1	ea	90,000.00	90,000	00.000	
	SUBTOTAL					90,000	
	TOTAL - CONVEYING SYSTEMS						\$90
D20	PLUMBING	1					
		4					
D20	PLUMBING, GENERALLY Plumbing; complete system	34,886	gsf	12.00	418,632		
	SUBTOTAL	01,	8-		.,	418,632	
	TOTAL - PLUMBING						\$418
D30	HVAC	1					
	INVAC CENERALLY	_					
D30	HVAC, GENERALLY HVAC complete system	34,886	gsf	36.00	1,255,896		
	SUBTOTAL	31,,,,,	o		,	1,255,896	
	TOTAL - HVAC						\$1,255
		_					
D40	FIRE PROTECTION]					
D40	FIRE PROTECTION, GENERALLY						
•	Sprinkler system	34,886	gsf	4.50	156,987		
	SUBTOTAL					156,987	
	TOTAL - FIRE PROTECTION						\$156
	TOTAL - FIRE I ROTECTION						φ1ე0
	W. D. GRONE A. V.	٦					
D50	ELECTRICAL]					
D501	O COMPLETE ELECTRICAL SYSTEM						
	Electrical system; complete	34,886	gsf	30.00	1,046,580		
	SUBTOTAL					1,046,580	
	TOTAL - ELECTRICAL						\$1,046
	_						
	EQUIDMENT	7					
Es a	EQUIPMENT	J					
E10							
E10	,						
	Gym wall pads	1	ls	10,000.00	10,000		
	Gym wall pads Basketball backstops; swing up; electric operated	1 4	ls ea	9,800.00	39,200		
	Gym wall pads Basketball backstops; swing up; electric operated Gymnasium dividing net; electrically operated						
	Gym wall pads Basketball backstops; swing up; electric operated Gymnasium dividing net; electrically operated Volleyball net and standards	4	ea	9,800.00 45,000.00 2,000.00	39,200 45,000 2,000		
	Gym wall pads Basketball backstops; swing up; electric operated Gymnasium dividing net; electrically operated Volleyball net and standards Telescoping bleachers	4	ea loc	9,800.00 45,000.00	39,200 45,000		
	Gym wall pads Basketball backstops; swing up; electric operated Gymnasium dividing net; electrically operated Volleyball net and standards	4 1 1	ea loc ea	9,800.00 45,000.00 2,000.00	39,200 45,000 2,000		
	Gym wall pads Basketball backstops; swing up; electric operated Gymnasium dividing net; electrically operated Volleyball net and standards Telescoping bleachers Theatrical Equipment Stage curtains, rigging and	4 1 1	ea loc ea ls	9,800.00 45,000.00 2,000.00 25,000.00	39,200 45,000 2,000 25,000		
	Gym wall pads Basketball backstops; swing up; electric operated Gymnasium dividing net; electrically operated Volleyball net and standards Telescoping bleachers Theatrical Equipment Stage curtains, rigging and controls	4 1 1 1	ea loc ea ls ls	9,800.00 45,000.00 2,000.00 25,000.00 150,000.00	39,200 45,000 2,000 25,000 In Reno		
	Gym wall pads Basketball backstops; swing up; electric operated Gymnasium dividing net; electrically operated Volleyball net and standards Telescoping bleachers Theatrical Equipment Stage curtains, rigging and controls Stage lighting and dimming	4 1 1 1	ea loc ea ls ls	9,800.00 45,000.00 2,000.00 25,000.00 150,000.00	39,200 45,000 2,000 25,000 In Reno		
	Gym wall pads Basketball backstops; swing up; electric operated Gymnasium dividing net; electrically operated Volleyball net and standards Telescoping bleachers Theatrical Equipment Stage curtains, rigging and controls Stage lighting and dimming Food Service equipment Electrically operated projection screens AV Equipment (including Smartboards, Projectors,	4 1 1 1 1 1 1 1 1	ea loc ea ls ls ls	9,800.00 45,000.00 2,000.00 25,000.00 150,000.00 75,000.00 350,000.00	39,200 45,000 2,000 25,000 In Reno In Reno		
	Gym wall pads Basketball backstops; swing up; electric operated Gymnasium dividing net; electrically operated Volleyball net and standards Telescoping bleachers Theatrical Equipment Stage curtains, rigging and controls Stage lighting and dimming Food Service equipment Electrically operated projection screens AV Equipment (including Smartboards, Projectors, LED monitors, Digital information displays etc.)	4 1 1 1 1 1 1 1 1	ea loc ea ls ls ls	9,800.00 45,000.00 2,000.00 25,000.00 150,000.00 75,000.00 350,000.00	39,200 45,000 2,000 25,000 In Reno In Reno In Reno		
	Gym wall pads Basketball backstops; swing up; electric operated Gymnasium dividing net; electrically operated Volleyball net and standards Telescoping bleachers Theatrical Equipment Stage curtains, rigging and controls Stage lighting and dimming Food Service equipment Electrically operated projection screens AV Equipment (including Smartboards, Projectors,	4 1 1 1 1 1 1 1 1	ea loc ea ls ls ls	9,800.00 45,000.00 2,000.00 25,000.00 150,000.00 75,000.00 350,000.00	39,200 45,000 2,000 25,000 In Reno In Reno In Reno	121,200	

E20 FURNISHINGS



Feasibility Design Submission

07-Mar-16

CSI CODE		DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
OPTI	ON 4B - N	NEW ADDITION TO ELEMENTARY SCHOOL		•				
342 343	E2010	FIXED FURNISHINGS Entry mats & frames - recessed with carpet/rubber strips	500	sf	45.00	22,500		
344		Manual operated roller shades	4,015	sf	6.00	24,090		
345		Counters, base cabinets, tall storage in classrooms and other rooms	34,886	gsf	6.00	209,316		
346 347		SUBTOTAL					255,906	
348 349	E2020	MOVABLE FURNISHINGS All movable furnishings to be provided and installed by owner						
350 351		SUBTOTAL					NIC	
352		TOTAL - FURNISHINGS						\$255,906
353 354								
355	F10	SPECIAL CONSTRUCTION						
356 357 358 359	F10	SPECIAL CONSTRUCTION No Work in this section SUBTOTAL						
360 361		TOTAL - SPECIAL CONSTRUCTION						
362 363								
364 365	F20	SELECTIVE BUILDING DEMOLITION						
366 367	F2010	BUILDING ELEMENTS DEMOLITION See main summary for demolition of existing buildings						
368 369		SUBTOTAL						
370 371	F2020	HAZARDOUS COMPONENTS ABATEMENT See main summary for HazMat allowance			:	See Summary		
372 373		SUBTOTAL						
374	TOT	TAL - SELECTIVE BUILDING DEMOLITION						

GFA



Feasibility Design Submission

Bourne, MA

	DITTI DATA		ON COST SUMM		φ/GE	0/
TION	BUILDING AB - REN	SYSTEM VOVATION TO ELEMENTARY SCH	SUB-TOTAL	TOTAL	\$/SF	%
	-	OATIONS	1001			
A10	A1010	Standard Foundations	\$0			
	A1010 A1020		\$0 \$0			
		Special Foundations Lowest Floor Construction		¢64.6 = 0	01.04	0.70/
	A1030	Lowest Floor Construction	\$61,659	\$61,659	\$1.64	0.7%
A20	BASEM	ENT CONSTRUCTION				
	A2010	Basement Excavation	\$0			
	A2020	Basement Walls	\$0	\$0	\$0.00	0.0%
B10	SUPER	STRUCTURE				
	B1010	Upper Floor Construction	\$76,250			
	B1020	Roof Construction	\$100,000	\$176,250	\$4.69	1.9%
			, , , , , , , ,	Ψ-/ -, -0 -	7 -10 -	
B20	EXTER	IOR CLOSURE				
	B2010	Exterior Walls	\$786,274			
	B2020	Windows	\$826,825			
	B2030	Exterior Doors	\$29,901	\$1,643,000	\$43.75	17.89
В30	ROOFI	NG				
	B3010	Roof Coverings	\$1,164,460			
	B3020	Roof Openings	\$2,500	\$1,166,960	\$31.07	12.79
C10	INTERI	OR CONSTRUCTION				
	C1010	Partitions	\$676,026			
	C1020	Interior Doors	\$150,228			
	C1030	Specialties/Millwork	\$241,236	\$1,067,490	\$28.42	11.69
C20	STAIRO	CASES				
	C2010	Stair Construction	\$10,000			
	C2020	Stair Finishes	\$7,330	\$17,330	\$0.46	0.29
С30	INTERI	OR FINISHES				
J	C3010	Wall Finishes	\$187,785			
	C3020	Floor Finishes	\$262,899			
	C3030	Ceiling Finishes	\$262,899	\$713,583	\$19.00	7.79
D10	CONVE	YING SYSTEMS				
	D1010	Elevator	\$0	\$0	\$0.00	0.09
D20	PLUME	BING				

07-Mar-16

37,557

GFA



Feasibility Design Submission

07-Mar-16

	BUILDING	SYSTEM	$SUB ext{-}TOTAL$	TOTAL	\$/SF	%
TION	4B - REN	NOVATION TO ELEMENTARY SCHOO	L		.,	
D30	HVAC					
	D30	HVAC	\$1,352,052	\$1,352,052	\$36.00	14.7%
D40	FIRE P	ROTECTION				
	D40	Fire Protection	\$225,342	\$225,342	\$6.00	2.4%
D50	ELECTI	RICAL				
	D5010	Complete System	\$1,126,710	\$1,126,710	\$30.00	12.2%
E10	EQUIP	MENT				
	E10	Equipment	\$585,000	\$585,000	\$15.58	6.3%
E20	FURNIS	SHINGS				
	E2010	Fixed Furnishings	\$279,222			
	E2020	Movable Furnishings	NIC	\$279,222	\$7.43	3.0%
F10	SPECIA	L CONSTRUCTION				
	F10	Special Construction	\$0	\$0	\$0.00	0.0%
F20	HAZMA	AT REMOVALS				
	F2010	Building Elements Demolition	\$348,000			
	F2020	Hazardous Components Abatement	\$0	\$348,000	\$9.27	3.8%
TOTA	I DIDE	CT COST (Trade Costs)		\$9,213,282	\$245.31	100.0%

GFA



11

12

13

14 15

16

17

20

21

23

25

26 27

34

35 36

37

39 40

41 42 43

44 45

46

47

48

50 51

52

53

54 55

56 57 58

Bourne Elementary Schools Design Options Bourne, MA

Feasibility Design Submission

07-Mar-16

CSI				UNIT	EST'D	SUB	TOTAL
COD	DESCRIPTION	QTY	UNIT	COST	COST	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)

A10 FOUNDATIONS

SUBTOTAL

A1010 STANDARD FOUNDATIONS

No Work in this section

A1020 SPECIAL FOUNDATIONS

No Work in this section

SUBTOTAL

A1030 LOWEST FLOOR CONSTRUCTION

Allowance for patching of existing slabs disturbed by 3.00 61,659 20,553 sf

new work

Miscellaneous

New Elevator pits 25.000.00 In Addition ea New loading dock - allow ls 20,000.00 In Addition

Equipment pads - allow 5,000.00 In Addition ls

SUBTOTAL 61,659

TOTAL - FOUNDATIONS

BASEMENT CONSTRUCTION A20

A2010 BASEMENT EXCAVATION

No items in this section

SUBTOTAL

A2020 BASEMENT WALLS

No items in this section

SUBTOTAL

TOTAL - BASEMENT CONSTRUCTION

SUPERSTRUCTURE B10

B1010 FLOOR CONSTRUCTION

Allowance for gym floor joist seismic connections loc 750.00 56,250 **75** New penetrations to existing structure ls 15,000.00 15,000 Fire stopping floors flrs 5,000.00 5,000

SUBTOTAL 76,250

B1020 ROOF CONSTRUCTION

Allowance for snow drift upgrades 100,000 100,000.00

SUBTOTAL 100,000

TOTAL - SUPERSTRUCTURE \$176,250

B20 EXTERIOR CLOSURE GFA

37,557 *sf*

37.557

\$61,659



Feasibility Design Submission

oourne, MA

		DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
OPTIO	N 4B - F	RENOVATION TO ELEMENTARY SCHOOL						
,	Renin	EXTERIOR WALLS	10,222	sf				
	D2010	Interior skin	10,222	31				
		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		
			19.146	a.£	2.00	54.420		
		Staging to exterior wall	18,146	sf	3.00	54,438	706 974	
		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	
	Doos -	EVTERIOR DOORS						
,	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 6 40 0
<u> </u> _		TOTAL - EXTERIOR CLOSURE						\$1,643,0
	Взо	ROOFING						
]		ROOF COVERINGS Flat roofing						
1		ROOF COVERINGS	24,664	sf	3.00	73,992		
1	B3010	ROOF COVERINGS Flat roofing Remove existing roof membrane down to insulation			3.00			
]	B3010	ROOF COVERINGS Flat roofing	24,664	sf sf sf		73,992 641,264 271,304		
1	B3010	ROOF COVERINGS Flat roofing Remove existing roof membrane down to insulation New standing seam metal roofing		sf	26.00	641,264		
]	B3010	ROOF COVERINGS Flat roofing Remove existing roof membrane down to insulation New standing seam metal roofing Insulation; nailable 1/2" dens-deck protection board	24,664 24,664	sf sf	26.00 11.00	641,264 271,304		
1	B3010	ROOF COVERINGS Flat roofing Remove existing roof membrane down to insulation New standing seam metal roofing Insulation; nailable 1/2" dens-deck protection board Reinforced vapor barrier	24,664 24,664 24,664 24,664	sf sf sf	26.00 11.00 2.00	641,264 271,304 49,328		
1	B3010	ROOF COVERINGS Flat roofing Remove existing roof membrane down to insulation New standing seam metal roofing Insulation; nailable 1/2" dens-deck protection board	24,664 24,664 24,664	sf sf sf sf	26.00 11.00 2.00 1.00	641,264 271,304 49,328 24,664		
1	B3010	ROOF COVERINGS Flat roofing Remove existing roof membrane down to insulation New standing seam metal roofing Insulation; nailable 1/2" dens-deck protection board Reinforced vapor barrier Rough blocking	24,664 24,664 24,664 24,664 973	sf sf sf sf	26.00 11.00 2.00 1.00	641,264 271,304 49,328 24,664		
1	B3010	ROOF COVERINGS Flat roofing Remove existing roof membrane down to insulation New standing seam metal roofing Insulation; nailable 1/2" dens-deck protection board Reinforced vapor barrier Rough blocking Miscellaneous Roofing	24,664 24,664 24,664 24,664	sf sf sf sf	26.00 11.00 2.00 1.00 6.00	641,264 271,304 49,328 24,664 5,838		
1	B3010	ROOF COVERINGS Flat roofing Remove existing roof membrane down to insulation New standing seam metal roofing Insulation; nailable 1/2" dens-deck protection board Reinforced vapor barrier Rough blocking Miscellaneous Roofing Roof fascia/cornice Roof ladders	24,664 24,664 24,664 24,664 973	sf sf sf sf lf	26.00 11.00 2.00 1.00 6.00 90.00 3,000.00	641,264 271,304 49,328 24,664 5,838		
1	B3010	ROOF COVERINGS Flat roofing Remove existing roof membrane down to insulation New standing seam metal roofing Insulation; nailable 1/2" dens-deck protection board Reinforced vapor barrier Rough blocking Miscellaneous Roofing Roof fascia/cornice Roof ladders Walk pads	24,664 24,664 24,664 24,664 973 973	sf sf sf sf lf	26.00 11.00 2.00 1.00 6.00	641,264 271,304 49,328 24,664 5,838 87,570 3,000	1.164.460	
1	B3010	ROOF COVERINGS Flat roofing Remove existing roof membrane down to insulation New standing seam metal roofing Insulation; nailable 1/2" dens-deck protection board Reinforced vapor barrier Rough blocking Miscellaneous Roofing Roof fascia/cornice Roof ladders	24,664 24,664 24,664 24,664 973 973	sf sf sf sf lf	26.00 11.00 2.00 1.00 6.00 90.00 3,000.00	641,264 271,304 49,328 24,664 5,838 87,570 3,000	1,164,460	
	B3010	ROOF COVERINGS Flat roofing Remove existing roof membrane down to insulation New standing seam metal roofing Insulation; nailable 1/2" dens-deck protection board Reinforced vapor barrier Rough blocking Miscellaneous Roofing Roof fascia/cornice Roof ladders Walk pads	24,664 24,664 24,664 24,664 973 973	sf sf sf sf lf	26.00 11.00 2.00 1.00 6.00 90.00 3,000.00	641,264 271,304 49,328 24,664 5,838 87,570 3,000	1,164,460	
	B3010	ROOF COVERINGS Flat roofing Remove existing roof membrane down to insulation New standing seam metal roofing Insulation; nailable 1/2" dens-deck protection board Reinforced vapor barrier Rough blocking Miscellaneous Roofing Roof fascia/cornice Roof ladders Walk pads SUBTOTAL ROOF OPENINGS Roof hatch	24,664 24,664 24,664 24,664 973 973	sf sf sf sf lf	26.00 11.00 2.00 1.00 6.00 90.00 3,000.00	641,264 271,304 49,328 24,664 5,838 87,570 3,000	1,164,460	
	B3010	ROOF COVERINGS Flat roofing Remove existing roof membrane down to insulation New standing seam metal roofing Insulation; nailable 1/2" dens-deck protection board Reinforced vapor barrier Rough blocking Miscellaneous Roofing Roof fascia/cornice Roof ladders Walk pads SUBTOTAL ROOF OPENINGS	24,664 24,664 24,664 24,664 973 973	sf sf sf sf lf ls	26.00 11.00 2.00 1.00 6.00 90.00 3,000.00 7,500.00	641,264 271,304 49,328 24,664 5,838 87,570 3,000 7,500	1,164,460 2,500	

113

07-Mar-16

37,557

GFA



Feasibility Design Submission GFA 37,557

E	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
	- RENOVATION TO ELEMENTARY SCHOOL	4.1	01111	0051	0001	1011112	
C10	INTERIOR CONSTRUCTION						
C101	o PARTITIONS						
	Allowance to modify/replace existing partitions	37,557	sf	18.00	676,026		
	SUBTOTAL	0,,00,				676,026	
						,	
C102	o INTERIOR DOORS			4.00	150,000		
	Allowance for specialty doors, doors and hardware	37,557	gsf	4.00	150,228		
	SUBTOTAL					150,228	
C103	o SPECIALTIES / MILLWORK						
	Toilet Partitions and accessories	3 7, 5 57	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	-	15	20,000	F,F & E		
	Display cases	1	ls	15,000.00	15,000		
	Miscellaneous metals throughout building		sf	1.00	37,557		
	Miscellaneous sealants throughout building	37,557	sf	1.25	46,946		
	SUBTOTAL	37,557	51	1.23	40,540	241.236	
						241,230	
	TOTAL - INTERIOR CONSTRUCTION						\$1,067,49
C20	STAIRCASES	\neg					
C20	STAIRCASES						
C201	o 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	
Cooo	o STAIR FINISHES						
C202	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		
						7,330	
	SUBTOTAL					.,	
							\$17,33
	SUBTOTAL						\$17,33
C30	SUBTOTAL TOTAL - STAIRCASES						\$17,33
	SUBTOTAL TOTAL - STAIRCASES INTERIOR FINISHES						\$17,33
	SUBTOTAL TOTAL - STAIRCASES	37,557	gsf	5.00	187,785		\$17,33
	SUBTOTAL TOTAL - STAIRCASES INTERIOR FINISHES WALL FINISHES	37,557	gsf	5.00	187,785	187,785	\$17,3;
	SUBTOTAL TOTAL - STAIRCASES INTERIOR FINISHES O WALL FINISHES Allowance for wall finishes	37,557	gsf	5.00	187,785		\$17,33
C301	SUBTOTAL TOTAL - STAIRCASES INTERIOR FINISHES O WALL FINISHES Allowance for wall finishes	37,557	gsf	5.00	187,785		\$17,33

07-Mar-16



Feasibility Design Submission

07-Mar-16

reasin	inty Desig	n Submission					GFA	37,
CSI CODE		DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
	ON 4B - 1	RENOVATION TO ELEMENTARY SCHOOL		•			1	
		SUBTOTAL					262,899	
	Canan	CEILING FINISHES						
	C3030	Allowance for ceiling finishes	37,557	sf	7.00	262,899		
		SUBTOTAL	077007			,,,,,,	262,899	
							,	
		TOTAL - INTERIOR FINISHES						\$713,5
	D10	CONVEYING SYSTEMS						
	D1010	ELEVATOR Nouveleveton 2 etch			00 000 00	In Addition		
		New elevator; 2 stop	1	ea	90,000.00	In Addition		
		SUBTOTAL					-	
		TOTAL - CONVEYING SYSTEMS						
	D20	PLUMBING	1					
			⊸					
	D20	PLUMBING, GENERALLY Plumbing; complete system	37,557	gsf	12.00	450,684		
		SUBTOTAL	3/,33/	831	12.00	430,004	450,684	
		SOSTOTILE					100,001	
		TOTAL - PLUMBING						\$450,6
	D30	HVAC	7					
	D30	HVAC, GENERALLY HVAC complete system	97 557	gsf	36.00	1,352,052		
		SUBTOTAL	37,557	gsi	30.00	1,552,052	1,352,052	
		TOTAL - HVAC						\$1,352,0
	D40	FIRE PROTECTION						
	D40	FIRE PROTECTION, GENERALLY						
	•	Sprinkler system	37,557	gsf	6.00	225,342		
		SUBTOTAL					225,342	
		TOTAL FIRE PROTECTION						
		TOTAL - FIRE PROTECTION						\$225,3
	D50	ELECTRICAL						
	D5010	COMPLETE ELECTRICAL SYSTEM						
	2,010	Electrical system; complete	37,557	gsf	30.00	1,126,710		
		SUBTOTAL	3/333/	801	00.00	1,120,110	1,126,710	
		SODIOTAL					1,120,710	
		TOTAL - ELECTRICAL						¢1 106 =
		TOTAL - ELECTRICAL						\$1,126,7
			_					
	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	1	ls	150,000.00	150,000		
		controls			,000.00	100,000		
				_				

Stage lighting and dimming

234

ls

75,000.00

75,000

GFA



Feasibility Design Submission

urne Elementary Schools 07-Mar-16

SI ODE		DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
	ON 4B - I	RENOVATION TO ELEMENTARY SCHOOL	VII	01111	COS1	2031	IOIAL	0031
	•	Food Service equipment	1	ls	350,000.00	350,000		
		Electrically operated projection screens		loc	10,000.00	10,000		
			1	100	10,000.00			
		AV Equipment (including Smartboards, Projectors, LED monitors, Digital information displays etc.)				FF+E		
		SUBTOTAL					585,000	
		SOSTOTIE					000,000	
		TOTAL - EQUIPMENT						\$585,0
	E20	FURNISHINGS						
	E2010	FIXED FURNISHINGS			47.00	00.500		
		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					NIC	
		SUBTOTAL					NIC	
		TOTAL - FURNISHINGS						\$279,2
Į.	I.							
ı	Eto	CRECIAL CONCERNICTION						
	F10	SPECIAL CONSTRUCTION						
	F10	SPECIAL CONSTRUCTION						
		No Work in this section						
		SUBTOTAL						
		TOTAL CRECIAL CONCERNICTION						
		TOTAL - SPECIAL CONSTRUCTION						
1								
	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	/ , y — +		0.00	,011		
		See main summary for demolition of existing buildings						
		buildings					348,000	
		SUBTOTAL						
	Faces							
	F2020	SUBTOTAL HAZARDOUS COMPONENTS ABATEMENT See main summary for HazMat allowance			Se	e Summary		
	F2020	HAZARDOUS COMPONENTS ABATEMENT			Se	e Summary		

GFA





Bourne Elementary Schools Design Options Bourne, MA

Feasibility Design Submission

Play surface

		lity Desig	gn Submission						
	CSI CODE		DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
	SITEV	VORK (OPTION 4B						
1 2	Г	G	SITEWORK						
3	L	<u> </u>	SHEWORK						
4 5		G10	SITE PREPARATION & DEMOLITION Site Demolitions and Relocations						
6			Site construction fence	2,900	lf	14.00	40,600		
7			Pavement/curbing removal - grind up asphalt to reuse	116,200	sf	0.80	92,960		
8			Remove and dispose walkways	1	ls	10,000.00	10,000		
9			Remove and dispose tennis courts	25,600	sf	2.00	51,200		
10			Tree removal	1	ls	20,000.00	20,000		
11			Misc. Tree Protection	1	ls	5,000.00	5,000		
12					ls	40,000.00	40,000		
13			Remove and dispose of existing drainage structures and utilities SUBTOTAL	1	15	40,000.00	40,000	\$259,760	
14			565161112					Q200,100	
15			Site Earthwork						
16			Construction entrances/wheel washes (allowance)	1	loc	15,000.00	15,000		
17			Strip topsoil, store on site for reuse	7,444	cy	8.00	59,552		
18			Cut/fill	33,333	cy	6.00	199,998		
19			Fine grading	28,485	sy	0.50	14,243		
20 21			Silt fence/erosion control (allowance)	2,900	lf	12.00	34,800		
22			Erosion Control monitoring & maintenance Hazardous Waste Remediation	1	ls	10,000.00	10,000		
23			Removal of UST and propane tanks	1	ls	50,000.00	50,000		
24			SUBTOTAL					\$383,593	
25									
26		G20	SITE IMPROVEMENTS						
27			Roadways and Parking Lots						
28			Bituminous concrete paving	114,163					
29			gravel base; 12" thick	4,228	cy	35.00	147,980		
30			bituminous concrete; 4" thick	12,685	sy	25.00	317,125		
31			6"x18" granite curb	5,919	lf	32.00	189,408		
32			Single solid lines, 4" thick	150	space	25.00	3,750		
33			Wheelchair Parking	10	space	75.00	750		
34			Crosswalk Hatching	2	loc	900.00	1,800		
35 36			Other road markings	1	ls	7,500.00	7,500		
37			HC curb cuts	4	loc	1,100.00 10,000.00	4,400 10,000		
38			New entrance sign New traffic signs	1	ls ls	5,000.00	5,000		
39			SUBTOTAL	1	13	3,000.00	3,000	\$687,713	
40			Septemb					V007,710	
41			Pedestrian paving						
42			Bituminous concrete paving	10,000	sf				
43			gravel base; 12" thick	370	cy	35.00	12,950		
44			bituminous concrete; 3" thick	1,111	sy	28.00	31,108		
45			Concrete Pavers						
46			Concrete pavers						
47			Precast concrete pavers	8,000	sf	16.00	128,000		
48			gravel base; 8" thick	199	cy	35.00	6,965		
49			dry pack; 2" thick	47	cy	22.00	1,034		
50			concrete base; 4" thick	8,000	sf	5.00	40,000		
51									
52			Site Improvements						
53			Bicycle racks	10	ea	800.00	8,000		
54			45' Flag pole	1	loc	7,500.00	7,500		
55			Flag pole base	1	loc	1,500.00	1,500		
56 57			Ornamental trash/recycling receptacles	10	ea	800.00	8,000		
57 58			Seating walls	1 000	ls	75,000.00	75,000		
59			Segmented block retaining walls Dumpster enclosure	3,000	sf lf	55.00 60.00	165,000 6,000		
			Dumpster enclosure	100	11	00.00	0,000		

3,333

sf

16.00





116

Bourne Elementary Schools Design Options Bourne, MA

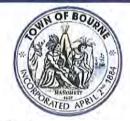
Feasibility Design Submission

CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
SITEWORK O	OPTION 4B						
	Track surface	6,666	sf	5.00	33,330		
	Play equipment	1	ls	120,000.00	120,000		
	<u>Tennis Courts</u>	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						
0,0	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	3	юс	4,000.00	12,000		
	Allowance for stormwater management	1	ls	350,000.00	350,000		
	Gas and Telecom service		15	330,000.00	330,000		
	E&B trench for new lines, pipe and install by utilities	0=0	16	25.00	6,250		
	New gas service	250	lf 16				
	New telecom service	250	lf	25.00	6,250	0.450.000	
	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 cuctoank Primary cabling	250	11		Jtility company		
	Pad mounted transformer				Jtility company		
	Transformer pad		02	3,000.00	3,000		
	Secondary ductbank	1	ea	3,000.00	3,000		
	Secondary ductbank Secondary ductbank cabling	=-	1£	200.00	15,000		
	Generator ductbank	50	lf	300.00	13,000		
	Generator ductbank	=0	1£	250.00	19 500		
		50	lf	250.00	12,500		
	Communications		10	22.22	0.0=		
	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	
	SUBTUTAL					\$101,000	

Bourne Elementary Schools Feasibility Options 3.7.16 Page 111 PMC - Project Management Cost

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)

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
- Less age difference on student buses
- k. Increased horizontal and vertical alignment
- I. 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
- More targeted population for building based specialists
- m. More balanced classrooms (size and academic need)
- 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
- Less age difference on student buses
- 1. Increased horizontal and vertical alignment
- m. More targeted population for building based specialists
- More balanced classrooms (size and academic need)
- 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.



Page 2 March 24, 2016 Bourne – Peebles Elementary School Updated Enrollment Letter

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 Picketti

Director of Capital Planning

Many Relutu/ Smw

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 Recomme	ndations
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

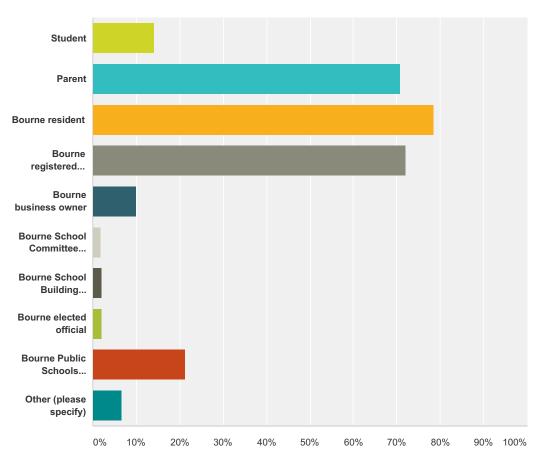
James F. Peebles Elementary School project, and subject to the MSBA's review of such recommendation, the MSBA shall forward a final Design Enrollment Certification with a design enrollment specific to the recommended and approved Preferred Schematic Design, which shall supersede this certification.

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.





Answer Choices	swer 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					

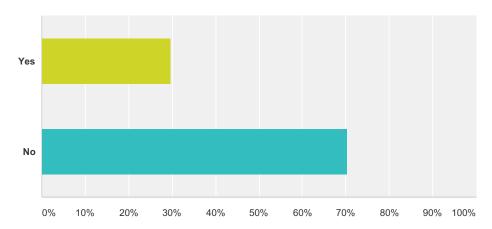
Date

Other (please specify)

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 3:10 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?

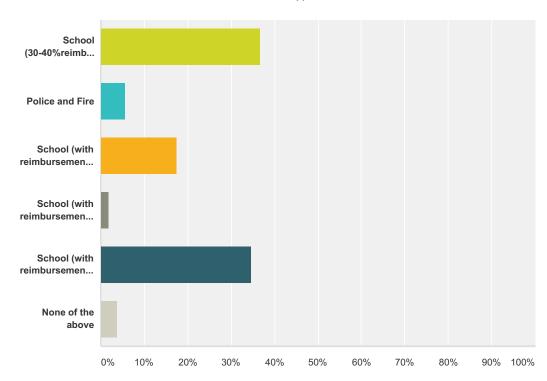




Answer Choices	Responses	
Yes	29.66%	129
No	70.34%	306
Total		435

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

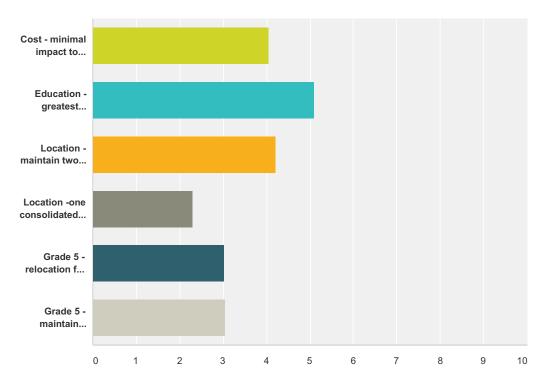
Answered: 431 Skipped: 7



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.





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

SurveyMonkey

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	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

Preferred Schematic Design - Bourne School Building Committee

30	Informative meetings with all concerned	3/18/2016 9:08 AM
	-	
31	Send out that massages using Damind101	3/18/2016 8:57 AM
32	Send out text messages using Remind101	3/18/2016 8:17 AM 3/18/2016 7:54 AM
	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!!!!	3/10/2010 7.34 AIVI
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 groupgreat 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
	I and the second se	1

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.		
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.		
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.		
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	ent 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.	
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

Preferred Schematic Design - Bourne School Building Committee

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
28	Keep emailing information to parents	3/11/2016 11:16 AM
29	They are already doing a fabulous job!!!	3/11/2016 10:58 AM
30	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
33	More social media updates	3/11/2016 8:39 AM
34	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
35	More information reported in the local papers.	3/11/2016 8:29 AM
36	Banners on the town website, and school district website.	3/11/2016 8:26 AM
37	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
38	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.	
39	Facebook	3/11/2016 8:17 AM
40	Communication re: the project has been great.	3/11/2016 8:11 AM
41	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.	
42	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.	
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
-----	--------------------------	-------------------



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, Kl.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