

INDEX

FINANCIAL ANALYSIS OVERVIEW	699
ELM STREET MS COSTS	701
NEW NASHUA MS COSTS	703
FAIRGROUNDS MS COSTS	705
PENNICHUCK MS COSTS	707
ENERGY COST ANALYSIS SUMMARY	709
LIFE CYCLE COST ANALYSIS	711
CONSTRUCTION COSTS	713
/ Elm Street Middle School	714
/ Fairgrounds Middle School	727
/ Pennichuck Middle School	743
/ New Nashua Middle School	759
NASHUA PROJECT BUDGET	775
/ Elm Street Middle School	776
/ New Nashua Middle School	777
/ Fairgrounds Middle School	778
/ Pennichuck Middle School	779

SECTION 5

FINANCIAL ANALYSIS

FINANCIAL ANALYSIS OVERVIEW

SECTION 5: FINANCIAL ANALYSIS

The cost information provided in this report contains both estimated costs for the construction of the middle schools as well as anticipated changes in the utility costs to operate and maintain these facilities in the future. Construction costs consist of an opinion of the contractor’s cost for the work as prepared by Harvey Construction. In addition to these “hard costs,” the project budget also contains other “soft costs” for items outside of the Construction Manager’s contract. These include items such as furniture and equipment, architect and consulting fees, and testing costs. Details of hard costs and soft costs are provided in this report for all construction options.

The impact of new construction on utility use varies with each project. Existing utility information for the past five years (2014-2018) was used to establish a baseline to predict future expenditures. Additionally, energy-efficient improvements that will lower costs, as well as increases in building area that will increase costs have also been factored into the anticipated future operating costs.

The table below summarizes the proposed various scope options at each school and associated costs for each.

TOTAL PROJECT COST SUMMARY			
ELM STREET MS	NEW NASHUA MS	FAIRGROUNDS MS	PENNICHUCK MS
\$93,476,978	\$78,132,350	\$12,121,772	\$24,644,870

ADDITIONAL DISTRICT SPED PROGRAM—NEW NASHUA MIDDLE SCHOOL
\$4,810,956



INTRODUCTION TO COSTS (CONT.)
SECTION 5: FINANCIAL ANALYSIS

ELM STREET MS COSTS

SECTION 5: FINANCIAL ANALYSIS

ENROLLMENT AND BUILDING DATA	
Existing Enrollment (2019):	1,093
Existing Building Area:	200,515 SF (183 SF/Student)
Proposed Enrollment:	850
Proposed Building Area:	202,636 SF (238 SF/Student)

- / Modified and updated unified arts classrooms
- / Creation of team collaborative instruction spaces
- / New auditorium lobby and accessible toilet rooms
- / Updated building electrical service
- / Updated building electrical systems
- / Upgraded mechanical and plumbing systems

The concept design for Elm Street Middle School does not necessarily address all facility deficiencies or concerns identified in *Section 2: Facility Analysis* of this report.

ELM STREET MIDDLE SCHOOL SCOPE

The proposed Elm Street Middle School scope identified in Option 1 includes the following:

- / Exterior
 - / New secure and accessible entrance location
 - / Reconfigured drop-off at entry bus loop
 - / On-site dedicated parent drop-off lane
 - / New off-street parking lot
 - / Removal of portable classrooms
 - / Replacement of roofing at existing building locations
 - / Replacement of existing windows
 - / Limited existing masonry repointing
- / Interior
 - / Hazardous materials remediation
 - / Reconstruction of wood floor structure and existing gypsum planking system with new slabs in the 1930s portion of the building
 - / Upgrades to the structural lateral system to meet current codes in the 1930s portion of the building
 - / Reconfiguration of partitions to better accommodate appropriate New Hampshire Department of Education requirements
 - / Building upgrades to better achieve accessibility requirements
 - / Updated safety and security features
 - / Updates to some of the building finishes
 - / New welcoming, secure, and accessible main entrance
 - / New relocated administration area
 - / New cafeteria and kitchen
 - / Updated special education classrooms

ELM STREET MS COSTS (CONT.)

SECTION 5: FINANCIAL ANALYSIS

ELM STREET MIDDLE SCHOOL ENERGY COST ANALYSIS

The following estimate of yearly utility costs for natural gas, electricity, and water and sewer is based on a new building of the approximate areas listed below.

Actual hours of operation, temperature settings, equipment operation and maintenance, and lighting utilization will impact these numbers. In addition, the unpredictability of the energy market can make it difficult to predict what energy costs will

actually be for more than one budget year. The estimates are for budgeting purposes only.

Other non-utility items to be considered for yearly operational expenses, but not included above: building insurance, building maintenance and supplies, equipment maintenance, landscape maintenance, security and monitoring services, trash removal, telephone service, internet service, cable or satellite TV service, personnel, etc.

FOSSIL FUEL				
	AREA	PROJECTED 2022-23 COST	PROJECTED COST PER SF	2, 3
Existing Building	200,515	\$148,500	0.74	
Renovation and Addition	202,636	\$90,300	0.45	1
ELECTRIC				
	AREA	PROJECTED 2022-23 COST	PROJECTED COST PER SF	2, 3
Existing Building	200,515	\$137,200	0.68	
Renovation and Addition	202,636	\$205,000	1.01	1
WATER AND SEWER				
	AREA	PROJECTED 2022-23 COST	PROJECTED COST PER SF	2
Existing Building	200,515	\$14,200	0.07	
Renovation and Addition	202,636	\$11,500	0.06	

¹ Assumes full building air conditioning.

² Assumes 3% annual inflation.

³ Assumes 0.8% annual inflation based on 12-year trend of electric rates.

⁴ Projected costs rounded to nearest 100.

⁵ Current electric rates assumed to be \$0.19/kWh.

⁶ Current natural gas rates assumed to be \$1.0/ccf.

NEW NASHUA MS COSTS

SECTION 5: FINANCIAL ANALYSIS

ENROLLMENT AND BUILDING DATA	
Proposed Enrollment:	815
Proposed Building Area:	193,340 SF (237 SF/Student)

NEW NASHUA MIDDLE SCHOOL SCOPE

The proposed New Nashua Middle School scope identified in Option 2 includes the following:

- / Exterior:
 - / 20 acres site development
 - / 150+ parking spaces
 - / Three outdoor play fields and a running track
 - / Outdoor tennis and basketball courts
 - / District-wide special education outdoor play facility
 - / Connection to outdoor trail system
 - / Preservation of natural learning areas
 - / Outdoor dining and learning opportunities
 - / Access drive to Buckmeadow Drive
 - / Emergency access drive to Cherrywood Drive
 - / Perimeter safety and service drive
 - / New three-phase power extended down Buckmeadow Drive to the site
 - / New utility connections to Cherrywood Drive
 - / Pedestrian walks to site from Buckmeadow Drive
 - / New modern and energy-efficient building
 - / Building air conditioning
 - / Secure building access
 - / Welcoming and secure main entrance
- / Interior
 - / Innovative middle school classroom communities
 - / Welcoming and secure entrance vestibule
 - / Ability to close off public spaces for after school activities and community access
 - / 21st century unified arts and STEM spaces
 - / Enhanced SPED spaces
 - / Modern gymnasium with access to stage
 - / Multi-purpose space to accommodate recreation for smaller groups

- / Community eating and gathering space for social/emotional interactions
- / Proper accessibility
- / Ability to expand
- / Updated energy-efficient building
- / Modern and efficient mechanical systems
- / Code-compliant building

There is an alternate price to include additional classrooms to support the inclusion of District-wide special education spaces that are currently being held out-of-District.

NEW MIDDLE SCHOOL COSTS (CONT.)

SECTION 5: FINANCIAL ANALYSIS

NEW NASHUA MIDDLE SCHOOL ENERGY COST ANALYSIS

The following estimate of yearly utility costs for natural gas, electricity, and water and sewer is based on a new building of the approximate areas listed below.

Actual hours of operation, temperature settings, equipment operation and maintenance, and lighting utilization will impact these numbers. In addition, the unpredictability of the energy market can make it difficult to predict what energy costs will

actually be for more than one budget year. The estimates are for budgeting purposes only.

Other non-utility items to be considered for yearly operational expenses, but not included above: building insurance, building maintenance and supplies, equipment maintenance, landscape maintenance, security and monitoring services, trash removal, telephone service, internet service, cable or satellite TV service, personnel, etc.

FOSSIL FUEL				
	AREA	PROJECTED 2022-23 COST	PROJECTED COST PER SF	2, 3
New Middle School	193,340	\$73,900	0.38	

ELECTRIC				
	AREA	PROJECTED 2022-23 COST	PROJECTED COST PER SF	2, 3
New Middle School	193,340	\$176,400	0.91	

WATER AND SEWER				
	AREA	PROJECTED 2022-23 COST	PROJECTED COST PER SF	2
New Middle School	193,340	\$10,900	0.06	

¹ Assumes full building air conditioning.

² Assumes 3% annual inflation.

³ Assumes 0.8% annual inflation based on 12-year trend of electric rates.

⁴ Projected costs rounded to nearest 100.

⁵ Current electric rates assumed to be \$0.19/kWh.

⁶ Current natural gas rates assumed to be \$1.0/ccf.

FAIRGROUNDS MS COSTS

SECTION 5: FINANCIAL ANALYSIS

ENROLLMENT AND BUILDING DATA	
Existing Enrollment (2019):	695
Existing Building Area:	122,234 SF (175 SF/Student)
Proposed Enrollment:	800
Proposed Building Area:	123,217 SF (154 SF/Student)

FAIRGROUNDS MIDDLE SCHOOL SCOPE

The proposed Fairgrounds Middle School scope identified in Option 1 and Option 2 includes the following:

- / Exterior
 - / New parent drop-off and bus loop
 - / Additional parking spaces on site
 - / Upgraded perimeter security drive
 - / On-street queuing lane for parent drop-off
 - / Reconfigured parking at entry lot
 - / New welcoming and secure building entry
- / Interior
 - / New welcoming, secure, and accessible main entrance
 - / New administration suite
 - / Some upgrades to unified arts spaces
 - / Science room upgrades and improved accessibility
 - / Updated team collaborative instruction spaces
 - / Gymnasium upgrades
 - / Some upgrades to special education rooms
 - / Limited systems upgrades, including mechanical, electrical, and fire alarm systems

The concept design for Fairgrounds Middle School does not necessarily address all facility deficiencies or concerns identified in Section 2: Facility Analysis of this report.

FAIRGROUNDS MS COSTS (CONT.)

SECTION 5: FINANCIAL ANALYSIS

FAIRGROUNDS MIDDLE SCHOOL ENERGY COST ANALYSIS

The following estimate of yearly utility costs for natural gas, electricity, and water and sewer is based on a new building of the approximate areas listed below.

Actual hours of operation, temperature settings, equipment operation and maintenance, and lighting utilization will impact these numbers. In addition, the unpredictability of the energy market can make it difficult to predict what energy costs will

actually be for more than one budget year. The estimates are for budgeting purposes only.

Other non-utility items to be considered for yearly operational expenses, but not included above: building insurance, building maintenance and supplies, equipment maintenance, landscape maintenance, security and monitoring services, trash removal, telephone service, internet service, cable or satellite TV service, personnel, etc.

FOSSIL FUEL				
	AREA	PROJECTED 2022-23 COST	PROJECTED COST PER SF	2, 3
Existing Building	122,234	\$48,900	0.40	
Renovation and Addition	123,217	\$49,300	0.40	1
ELECTRIC				
	AREA	PROJECTED 2022-23 COST	PROJECTED COST PER SF	2, 3
Existing Building	122,234	\$110,800	0.91	
Renovation and Addition	123,217	\$111,700	0.91	1
WATER AND SEWER				
	AREA	PROJECTED 2022-23 COST	PROJECTED COST PER SF	2
Existing Building	122,234	\$5,100	0.04	
Renovation and Addition	123,217	\$5,800	0.05	

¹ Current natural gas rates assumed to be \$1.0/ccf.

² Assumes 3% annual inflation.

³ Assumes 0.8% annual inflation based on 12-year trend of electric rates.

⁴ Projected costs rounded to nearest 100.

⁵ Current electric rates assumed to be \$0.16/kWh

PENNICHUCK MS COSTS

SECTION 5: FINANCIAL ANALYSIS

ENROLLMENT AND BUILDING DATA	
Existing Enrollment (2019):	627
Existing Building Area:	102,202 SF (163 SF/Student)
Proposed Enrollment:	800
Proposed Building Area:	134,433 SF (168 SF/Student)

The concept design for Pennichuck Middle School does not necessarily address all facility deficiencies or concerns identified in Section 2: Facility Analysis of this report.

PENNICHUCK MIDDLE SCHOOL SCOPE

The proposed Pennichuck Middle School scope identified in Option 1 and Option 2 includes the following:

- / Exterior:
 - / Traffic signal at Manchester/Ferry Road for improved site access
 - / Additional site access point for emergency and bus entry
 - / Dedicated turning lanes for entering and leaving the site
 - / New parent drop-off and bus loops
 - / Improved pedestrian street crossing
 - / Additional parking spaces on site
 - / Removal of portable classrooms
- / Interior
 - / New classrooms additions to replace portables and increase school capacity
 - / Library addition
 - / New performance stage addition
 - / Upgrades to unified arts rooms
 - / Science room upgrades and improved accessibility
 - / Team collaborative instruction spaces
 - / Gymnasium upgrades
 - / Cafeteria expansion and updates
 - / Upgrades to special education rooms
 - / Electric and boiler room addition
 - / Building-wide air conditioning
 - / Limited systems upgrades, including mechanical, electrical, and fire alarm systems

PENNICHUCK MS COSTS (CONT.)
SECTION 5: FINANCIAL ANALYSIS

PENNICHUCK MIDDLE SCHOOL ENERGY COST ANALYSIS

The following estimate of yearly utility costs for natural gas, electricity, and water and sewer is based on a new building of the approximate areas listed below.

Actual hours of operation, temperature settings, equipment operation and maintenance, and lighting utilization will impact these numbers. In addition, the unpredictability of the energy market can make it difficult to predict what energy costs will

actually be for more than one budget year. The estimates are for budgeting purposes only.

Other non-utility items to be considered for yearly operational expenses, but not included above: building insurance, building maintenance and supplies, equipment maintenance, landscape maintenance, security and monitoring services, trash removal, telephone service, internet service, cable or satellite TV service, personnel, etc.

FOSSIL FUEL				
	AREA	PROJECTED 2022-23 COST	PROJECTED COST PER SF	2, 3
Existing Building	102,202	\$39,900	0.39	
Renovation and Addition	134,433	\$53,200	0.40	¹
ELECTRIC				
	AREA	PROJECTED 2022-23 COST	PROJECTED COST PER SF	2, 3
Existing Building	102,202	\$107,900	1.06	
Renovation and Addition	134,433	\$131,400	0.98	¹
WATER AND SEWER				
	AREA	PROJECTED 2022-23 COST	PROJECTED COST PER SF	2
Existing Building	102,202	\$8,000	0.08	
Renovation and Addition	134,433	\$10,000	0.07	

¹ Assumes added cooling for new library.

² Assumes 3% annual inflation.

³ Assumes 0.8% annual inflation based on 12-year trend of electric rates.

⁴ Projected costs rounded to nearest 100.

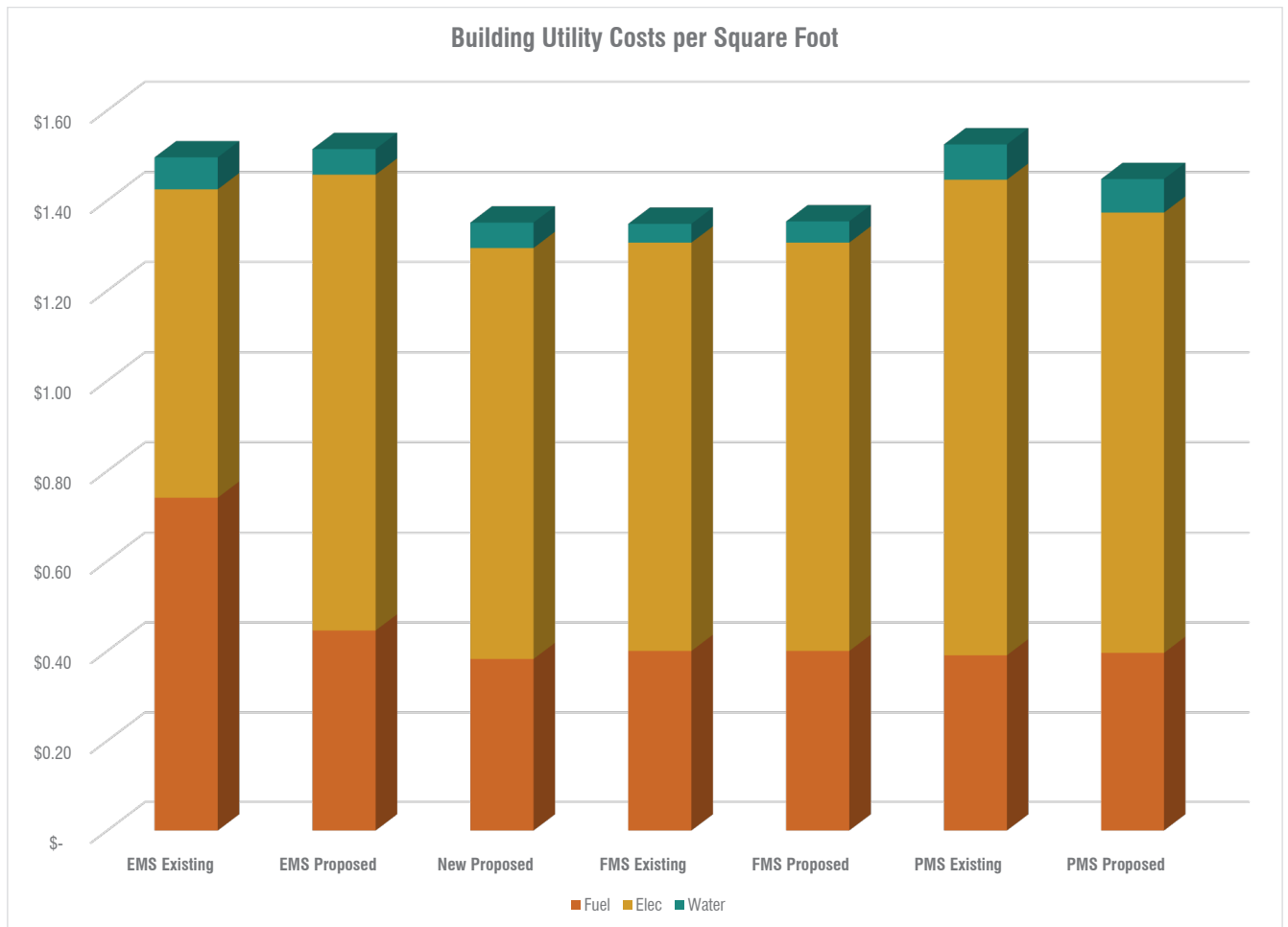
⁵ Current electric rates assumed to be \$0.17/kWh.

⁶ Current natural gas rates assumed to be \$1.0/ccf.

ENERGY COST ANALYSIS SUMMARY

SECTION 5: FINANCIAL ANALYSIS

**ENERGY COST ANALYSIS SUMMARY
(ANNUAL COST / SF)**



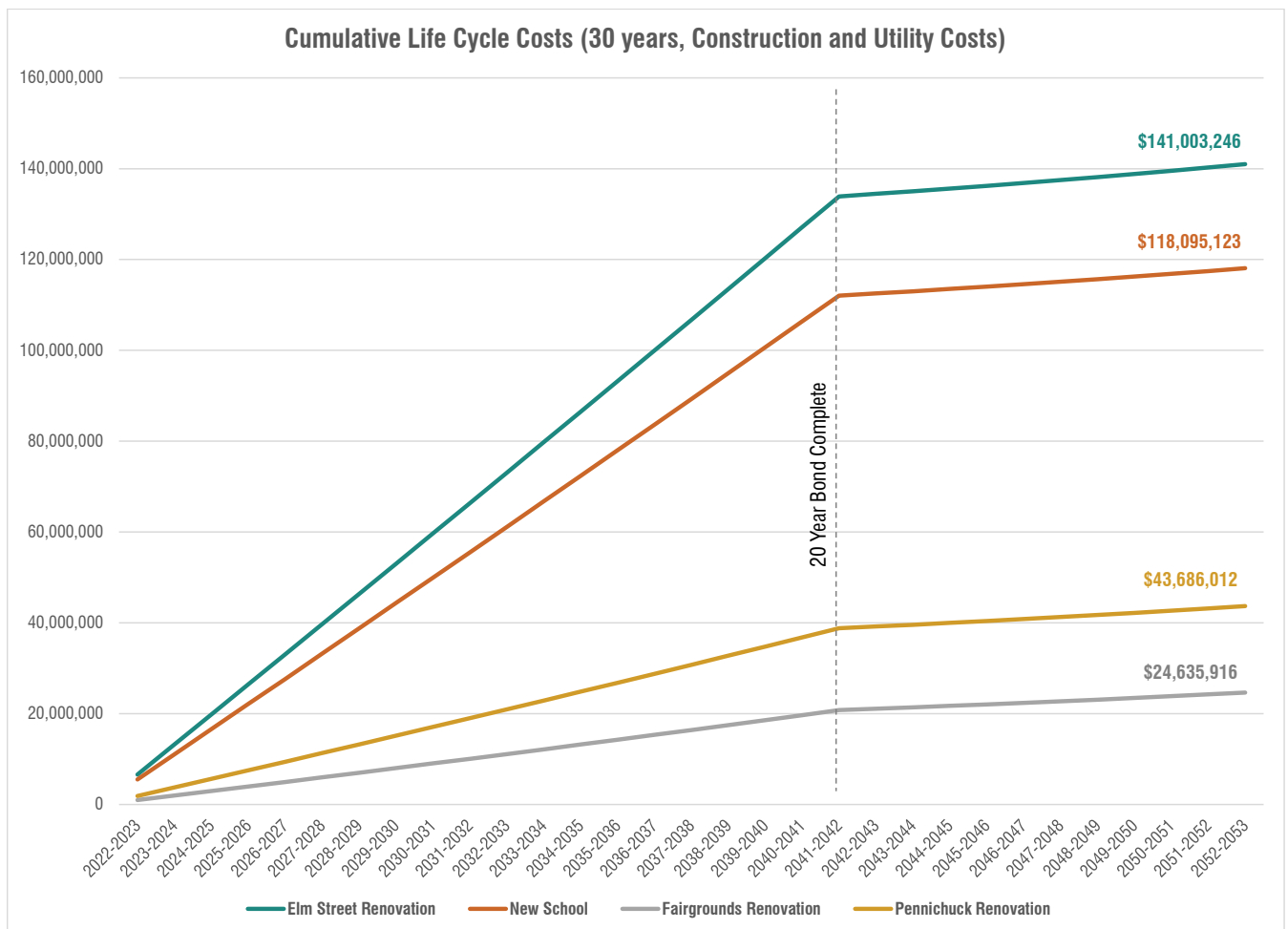
ENERGY COST ANALYSIS SUMMARY (CONT.)
SECTION 5: FINANCIAL ANALYSIS

LIFE CYCLE COST ANALYSIS

SECTION 5: FINANCIAL ANALYSIS

The life cycle costs of the four school projects being considered (Elm Street Middle School Renovation, New Nashua Middle School, Fairgrounds Middle School Renovation, and Pennichuck Middle School Renovation) is represented in the chart below. The figures identify projected total project costs associated with the construction bonded over a 20-year period at an interest rate of 3%. The analysis also considers utility costs (fuel, water, electricity) to operate the facilities. For the 30-year period,

cumulative utility costs account for approximately 10% of the cost to construct and operate a new facility. The analysis does not consider capital renewal projects over the course of the 30 years. While a new school will likely require little investment in new systems, the remaining two middle schools will still have ongoing maintenance and system renewal in some areas.



LIFE CYCLE COST ANALYSIS (CONT.)
SECTION 5: FINANCIAL ANALYSIS

CONSTRUCTION COSTS

SECTION 5: FINANCIAL ANALYSIS

This section contains costs provided by Harvey Construction for each of the school options.

CONSTRUCTION COSTS (CONT.)—EMS

SECTION 5: FINANCIAL ANALYSIS

Nashua Schools
Elm Street Middle School - Addition & Renovation
Conceptual Estimate 10-03-19

Project name Nashua Elm St School

Estimator CD

Labor rate table NH

Job size 217260 sf

Duration 48 mnth

Bid date 10/3/2019 5:00 PM

Notes

- Exclusions
- Geo Tech Report
 - Testing By Owner
 - Building Permit - By Owner
 - Temp Electric Usage - By Owner
 - Underpinning
 - Spray Fireproofing
 - Ansil System in FACS
 - Science Lab Hoods
 - Fire Pump
 - Power Company Back charges
 - Water Meter Fee
 - Gas Company Back charges
 - Tipping Fees
 - Industrial Hygenist
 - Ledger Removal
 - UST Removal
 - Projectors, Projection Screens
 - Servers, Racks, Switches
 - Waterproofing
 - New Foundation work for 1936 Structural Upgrades

Report format

Sorted by 'Group phase/Phase'
'Group phase summary

CONSTRUCTION COSTS (CONT.)—EMS

SECTION 5: FINANCIAL ANALYSIS

Harvey Construction
Nashua Elm St School

Spreadsheet Report
Nashua Elm St School

Page 2
10/8/2019 4:17 PM

Group	Phase	Description	Takeoff Quantity	Labor Cost/Unit	Labor Amount	Material Cost/Unit	Material Amount	Sub Cost/Unit	Sub Amount	Sub Name	Total Amount
1000		GENERAL CONDITIONS			2,910,150		105,468		394,272		3,409,890
1950		GENERAL REQUIREMENTS							943,420		943,420
2000		DEMOLITION			136,000				6,512,000		6,648,000
3000		CONCRETE			120,759		758,904		1,218,765		2,098,428
4000		MASONRY			136,000		133,450		2,218,311		2,487,761
5000		METALS			136,000				6,029,950		6,165,950
6000		WOOD & PLASTIC			163,200		54,315		1,810,946		2,028,461
7000		THERMAL/MOISTURE					44,280		2,690,201		2,734,481
8000		DOORS & WINDOWS							2,652,875		2,652,875
9000		FINISHES			326,400				6,333,083		6,659,483
10000		SPECIALTIES			16,260		73,115		437,470		526,845
11000		EQUIPMENT							2,026,000		2,026,000
12000		FURNISHINGS							505,500		505,500
14000		CONVEYING SYS							220,000		220,000
210000		FIRE SUPPRESSION							760,375		760,375
220000		PLUMBING							2,715,750		2,715,750
230000		HVAC							9,240,400		9,784,400
260000		ELECTRICAL			64,000		480,000		6,592,800		6,592,800
310000		EARTHWORK							1,787,140		1,787,140
320000		EXTERIOR IMPROVEMENTS							131,955		131,955

Estimate Totals

Description	Amount	Totals	Hours	Rate	Cost Basis	Cost per Unit	Percent of Total
Labor	4,008,769		##### hrs			18.451 /sf	5.62%
Material	1,649,532					7.592 /sf	2.31%
Subcontract	55,221,214					254.171 /sf	77.37%
Equipment			4,159,920 hrs				
Other	60,879,515	60,879,515				280.215 /sf	85.30
Pre Construction Services %	121,759			0.200 %		0.560 /sf	0.17%
NH Performance & Payment Bond	427,881					1.969 /sf	0.60%
P & P Bond Ext over 36 mths	89,662					0.413 /sf	0.13%
Builders Risk Insurance	89,211			1.250 \$ / 1,000		0.411 /sf	0.13%
General Liability & Umbrella P	496,012			0.695 %		2.283 /sf	0.70%
Software Licenses	91,923			0.129 %		0.423 /sf	0.13%
Contingency %	1,865,879			3.000 %		8.588 /sf	2.61%
Design Contingency %	3,203,092			5.000 %		14.743 /sf	4.49%
Escalation %	2,854,745			4.000 %		13.140 /sf	4.00%
CM Fee %	1,248,951			1.750 %		5.749 /sf	1.75%
Total	71,368,630					328.494 /sf	

CONSTRUCTION COSTS (CONT.)—EMS

SECTION 5: FINANCIAL ANALYSIS

Group	Phase	Description	Takeoff Quantity	Labor Cost/Unit	Labor Amount	Material Cost/Unit	Material Amount	Sub Cost/Unit	Sub Amount	Sub Name	Total Amount
1000		GENERAL CONDITIONS									
	1001	Project Dimensions									
		Site Square Footage	227,600.00 sf								
		Renovation Square Footage	180,925.00 sf					0.00	0		0
		Admin / Cafe / Kitchen / Classroom / Auditorium Additions	36,335.00 sf								
		Building Razed	25,537.00 sf								
	1100	Superintendent									
		Superintendent	208.00 wk	4,600.00	956,800						956,800
		Asst. Superintendent	103.00 wk	3,000.00	309,000						309,000
		General Superintendent	30.00 wk	5,000.00	150,000						150,000
	1110	Layout Engineer									
		Layout Engineer	45.00 wk	2,600.00	117,000						117,000
		Survey Instrument	45.00 wk					50.00	2,250		2,250
	1140	Proj. Management									
		Project Executive	30.00 wk	5,000.00	150,000						150,000
		Project Manager	104.00 wk	4,400.00	457,600						457,600
		Asst. Project Manager	104.00 wk	3,200.00	332,800						332,800
		Mechanical Coordinator	104.00 wk	3,400.00	353,600						353,600
	1150	Project Accounting									
		Accounting	30.00 wk	2,600.00	78,000						78,000
	1210	Harvey's Field Office									
		Harvey's Field Office	48.00 mnth					425.00	20,400		20,400
		Office Trailer Set Up	1.00 ls					1,200.00	1,200		1,200
		Stairs to Trailer	48.00 mnth					35.00	1,680		1,680
		Bottled Water	48.00 mnth						1,680		1,680
		Temp. Phone Set Up	1.00 ls					200.00	200		200
		Temp. Phone	48.00 mnth					150.00	7,200		7,200
		Cell Phone	48.00 mnth					150.00	7,200		7,200
		Temp. Toilet	96.00 mnth					80.00	7,680		7,680
		Office Supplies	48.00 mnth					100.00	4,800		4,800
		Fax/Copier	48.00 mnth					200.00	9,600		9,600
		Computer	48.00 mnth					150.00	7,200		7,200
		Hi-Speed Internet Connection	48.00 mnth					100.00	4,800		4,800
	1250	Communications									
		Communications - Radio's	48.00 mnth					200.00	9,600		9,600
	1260	Temp. Water								By Owner	
		Temp. Water	48.00 mnth								
	1285	Pickup Truck									
		Pick Up Truck	208.00 wk					250.00	52,000		52,000
	1300	Permits								By Owner	
		Building Permit Fee	1.00 ls								
	1310	Temp. Fences									
		Temp. Fences	445.00 lnft					8.00	3,560		3,560
		Gates in Temp Fence	2.00 each					500.00	1,000		1,000
	1320	Safety									
		Safety Inspections	312.00 hrs					125.00	39,000		39,000
		First Aid Kit Refills	48.00 mnth					50.00	2,400		2,400
	1330	Temp. Electric								By Owner	
		Temp. Electric Usage	sf								
	1335	Fire Protection									
		Fire Protection	1.00 ls					1,500.00	1,500		1,500
	1350	Snow Removal									
		Snow Removal	1.00 ls					10,000.00	10,000	Allowance	10,000
	1360	Small Tools									
		Small Tools	48.00 mnth					250.00	12,000		12,000
	1410	Job Cleanup									

CONSTRUCTION COSTS (CONT.)—EMS

SECTION 5: FINANCIAL ANALYSIS

Spreadsheet Report
Nashua Elm St School

Harvey Construction

Group	Phase	Description	Takeoff Quantity	Labor Cost/Unit	Labor Amount	Material Cost/Unit	Material Amount	Sub Cost/Unit	Sub Amount	Sub Name	Total Amount
	1410	Job Cleanup									
		Job Cleanup	217,260.00 sf			0.03	6,518	0.30	65,178		71,696
		Final Clean Up	217,260.00 sf					0.40	86,904		86,904
		Clean Glass	35,000.00 sf					0.30	10,500		10,500
	1430	Dumpsters									
		Dumpster Loads Rental Only Tipping Fees Waived by City	48.00 mth			450.00	21,600	-	-		21,600
	1500	Material Hoist									
		Material Hoist	24.00 mnth	0.00	0	100.00	2,400	3,600.00	86,400		88,800
	1510	Blue Prints									
		Blue Prints	1.00 ls			2,000.00	2,000	-	-		2,000
		Postage & Overnight Expenses	48.00 mnth					150.00	7,200		7,200
	1520	Punch List									
		Punch List	1.00 ls	5,000.00	5,000	750.00	750	-	-		5,750
	1530	Job Signs									
		Job Sign	1.00 sign	100.00	100	800.00	800	-	-		900
		Way Finding Signs	1.00 ls	250.00	250	600.00	600	-	-		850
	1540	Photos									
		Photos	48.00 mnth					30.00	1,440		1,440
	1550	Testing									
		Testing	1.00 ls							By Owner	
	1800	Record Drawings									
		Record Drawings	1.00 ls			500.00	500	-	-		500
1950		GENERAL REQUIREMENTS									
	1958	Safety									
		Safety Rails	1,200.00 lnt					20.00	24,000		24,000
	1962	Temp Conditions									
		Temp Hard Partitions	4,370.00 sf					6.00	26,220		26,220
		Temp Additional Doors for Egress	14.00 ea					1,600.00	22,400		22,400
		48' Mobile Kitchen Unit	12.00 mnth					15,000.00	180,000		180,000
		48' Mobile Prep Unit	12.00 mnth					8,900.00	106,800		106,800
		48' Mobile Dishwashing Unit	12.00 mnth					12,500.00	150,000		150,000
		8' X 20' Walk in Cooler & Freezer	12.00 mnth					6,500.00	78,000		78,000
		Delivery & Return of Units	5.00 ea					3,000.00	15,000		15,000
		Temp Enclosure and Ramps for Mobile Kitchen Units	1.00 ls					20,000.00	20,000		20,000
		Temp Stairs - Subcontractors Access - 24 mnths	2.00 ea					3,000.00	6,000		6,000
		Temp Hallway Construction Partitions	19,500.00 sf					10.00	195,000		195,000
		Plumbing & Electrical Hook-Ups for Temp Kitchen	1.00 ls					20,000.00	20,000	Allowance	20,000
		Staging and Temp Protection for Auditorium & Gym Roof	1.00 ls					100,000.00	100,000	Allowance	100,000
2000		DEMOLITION									
	2030	Demolition									
		Demo & Disposal Former Cafeteria, Kitchen, Classroom Addition	1.00 ls					1,815,175.00	1,815,175	ABS	1,815,175
		Kitchen Equipment Removal & Storage	1.00 ls					35,000.00	35,000		35,000
		Support Labor	50.00 wks		136,000			5.00	250		136,250
		Demolition to gain access	1.00 ls					10,000.00	10,000		10,000
		Casework Demo	1,750.00 lf					30.00	52,500		52,500
		Demo & Disposal 1936 Interior Walls Flooring, Ceilings, Steel Floor Beams, Decking	80,403.00 sf					25.00	2,010,075		2,010,075
		Removal of Existing Portable Classrooms	1.00 ls					20,000.00	20,000		20,000
	2032	Concrete Sawcutting									
		Concrete Sawcutting, Coring , Trenching Allowance	1.00 ls					30,000.00	30,000	Allowance	30,000
	2035	Asbestos Removal									
		Asbestos / PCB Removal per Desmarais Report dates August 2019	1.00 ls					2,239,000.00	2,239,000	Desmarais	2,239,000
		Asbestos & Lead Paint Removal for Items not Tested Above	1.00 ls					300,000.00	300,000	Allowance	300,000
		Industrial Hygienist	1.00 ls							Excluded	

CONSTRUCTION COSTS (CONT.)—EMS

SECTION 5: FINANCIAL ANALYSIS

Group	Phase	Description	Takeoff Quantity	Labor Cost/Unit	Labor Amount	Material Cost/Unit	Material Amount	Sub Cost/Unit	Sub Amount	Sub Name	Total Amount	
3000	2295	Underpinning	cy							Excluded		
	3010	CONCRETE										
		Foundation Subcontractor	1,095.00 cy	-	-	-	-	325.00	365,875			365,875
		Support Labor	15.00 wks	2,720.00	40,800	-	-	-	-	-		40,800
	3015	Flatwork Sub										
		Flatwork Sub	36,335.00 sf	-	-	-	-	5.00	181,675			181,675
		Flatwork Sub SOD - Locker Room	2,600.00 sf	-	-	-	-	5.00	13,000			13,000
		Site Flatwork Sub Revised Concrete Plaza's	6,555.00 sf	-	-	-	-	7.00	45,885			45,885
		Site Flatwork Sub Dumpster Pad	1,500.00 sf	-	-	-	-	6.00	9,000			9,000
		Repair 1/3 Concrete Side walks & Plaza's	6,700.00 sf	-	-	-	-	5.00	33,500			33,500
		Support Labor	20.00 wks	2,720.00	54,400	-	-	-	-	-		54,400
		New Slab on Grade 1936 Section	24,220.00 sf	-	-	-	-	5.00	121,100			121,100
		New Slab on Deck 1936 Section	56,226.00 sf	-	-	-	-	5.00	281,130			281,130
		Stair Pan Fill New Addition	6.00 ft	-	-	-	-	1,500.00	9,000			9,000
		Stair Pan Fill New 1936 Addition	18.00 ft	-	-	-	-	1,500.00	27,000			27,000
3018	Concrete Equipment											
	Concrete Pumps - Foundation Work	7.00 ea	-	-	-	-	1,100.00	7,700			7,700	
	Concrete Pumps - Flatwork Addition	16.00 ea	-	-	-	-	1,100.00	17,600			17,600	
	Concrete Pumps - 1936 Slabs	12.00 ea	-	-	-	-	825.00	9,900			9,900	
	Concrete Pumps-Stairs	4.00 ea	-	-	-	-	1,100.00	4,400			4,400	
3200	Vapor Barrier											
	Vapor Barrier Additions	33,225.00 sf	-	-	-	-	0.25	8,306			8,306	
	Vapor Barrier 1936 Bldg	25,000.00 sf	-	-	-	-	0.25	6,250			6,250	
3251	Fdn Wall Concrete											
	Foundation Wall Conc3000 psi	1,095.00 cy	-	-	-	-	131.25	143,719			143,719	
	Patch Cracked Foundation - Allowance	1.00 ls	-	-	-	-	-	25,000.00	25,000	Allowance	25,000	
3255	Slab Concrete											
	Slab Conc 4500 psi Addition	580.00 cy	-	-	-	-	131.25	76,125			76,125	
	Slab Conc3000 psi - Locker Room	26.00 cy	-	-	-	-	125.00	3,250			3,250	
	New Slab on Deck @ Old Plant, Replacement	400.00 cy	-	-	-	-	131.25	52,500	0		52,500	
	Slab Concrete 1936 Building Slabs	1,305.00 cy	-	-	-	-	131.25	171,281			171,281	
	Stair Pan Fill New Addition	8.00 cy	-	-	-	-	131.25	1,050			1,050	
	Stair Pan Fill 1936 Building	24.00 cy	-	-	-	-	131.25	3,150			3,150	
3260	Site Concrete											
	Site Conc 4000 psi	305.00 cy	-	-	-	-	131.25	40,031			40,031	
3408	Grout Baseplate											
	Grout Baseplates Additions	55.00 ea	-	-	-	-	20.00	1,100			2,750	
	Grout Baseplates 1936 Added Steel	54.00 ea	-	-	-	-	20.00	1,080			2,700	
3425	Joint Filler											
	Premold .Jt Filler Additions	1,370.00 lft	-	-	-	-	0.30	411			411	
	Premold .Jt Filler 1936 Addition	1,320.00 lft	-	-	-	-	0.30	396			396	
3450	Perimeter Insul											
	Perimeter Insulation 2"	3,736.00 sf	-	-	-	-	1.50	5,604			6,912	
3452	Underslab Insulation											
	Underslab Insulation 2" New Addition	35,000.00 sf	-	-	-	-	1.30	45,500			57,749	
	Underslab Insulation 2"-1936 Bldg	24,950.00 sf	-	-	-	-	1.30	32,435			41,167	
3810	Reinf. Steel											
	Buy Reinforcing Steel (200lb per cy) Additions	110.00 in	-	-	-	-	1,100.00	121,000	77,000		198,000	
3850	Wire Mesh											
	Wire Mesh Additions	33,884.00 sf	-	-	-	-	0.40	13,554	0		13,554	
	Wire Mesh - 1936 New Floor System	80,405.00 sf	-	-	-	-	0.40	32,162	-		32,162	
4000	MASONRY											
4115	CMU Walls											
	Stair CMU Wall - 13'-0" - 8"	12,415.00 sf	-	-	-	-	-	14.00	173,810		173,810	
	Seismic Clips on Existing CMU/Terra Cotta Walls	750.00 ea	-	-	-	-	-	100.00	75,000		75,000	

CONSTRUCTION COSTS (CONT.)—EMS

SECTION 5: FINANCIAL ANALYSIS

Page 4
10/8/2019 4:16 PM

Spreadsheet Report Nashua Elm St School

Harvey Construction

Group	Phase	Description	Takeoff Quantity	Labor Cost/Unit	Labor Amount	Material Cost/Unit	Material Amount	Sub Cost/Unit	Sub Amount	Sub Name	Total Amount	
4115		CMU Walls	1,260.00 sf	-	-	-	-	14.00	17,640		17,640	
		Interior CMU Wall - 12'-0" - 8" (4'-0" Gyp to deck)	1,886.00 sf	-	-	-	-	16.00	30,176		30,176	
		Elevator Shaft 56'-0" - 8"	3,230.00 sf	-	-	-	-	16.00	51,680		51,680	
		Interior CMU Wall - 12'-0" - 8" (2'-0" Gyp to deck)	54.00 ea	-	-	-	-	750.00	40,500		40,500	
		CMU Infill Unit Ventilators	8,515.00 sf	-	-	-	-	25.00	212,875		212,875	
		CMU Fire Wall - 12"	50.00 wks	2,720.00	136,000	-	-	-	900.00	163,800		163,800
		Support Labor	182.00 days	-	-	-	-	-	-	-		-
		Brick Replacement Labor at Window Surrounds (273 Windows)	54,000.00 brck	-	-	-	1.00	54,000	0.00	0		54,000
		Brick Replacement Material at Window Surrounds (273 Windows)	1,135.00 lf	-	-	-	70.00	79,450	-	-		79,450
		Precast Replacement Material at Window Surrounds (273 Windows)	1.00 ls	-	-	-	-	-	100,000.00	100,000		100,000
		Boom Lift and / or Staging for Window Surrounds	1,365.00 sf	-	-	-	-	-	14.00	19,110		19,110
		Toilet Partition Walls (9'-0"H) 4-inch CMU	1.00 ls	-	-	-	-	-	50,000.00	50,000		50,000
		Open Beam Pockets for Reuse for new Beams	1.00 ls	-	-	-	-	-	20,000.00	20,000		20,000
		Masonry Rebar	19,400.00 sf	-	-	-	-	-	32.00	620,800		620,800
Masonry Veneers	Existing Brick - Re-point & Equipment 20% of 73,740 sf	325.00 sf	-	-	-	-	40.00	589,920		589,920		
Brick Veneer Sid Brick	Brick Veneer Sid Brick - Infill at Ventilators	1.00 ls	-	-	-	-	40,000.00	40,000	Allowance	40,000		
Patching Precast (Spalling)												
5000		METALS										
		Structural Steel	205.00 ln	-	-	-	-	4,200.00	861,000		861,000	
		Structural Steel Addition	75.00 ln	-	-	-	-	4,500.00	337,500	Allowance	337,500	
		Additional Framing for Snow Load & New Roofing (82,426 sf)	14.00 ea	-	-	-	-	10,000.00	140,000		140,000	
		Structural Steel - AHU's Support	1.00 ls	-	-	-	-	75,000.00	75,000	Allowance	75,000	
		Additional Brace Framing	25,000.00 sf	-	-	-	-	6.00	150,000		150,000	
		New Floor Decking	1.00 ls	-	-	-	-	50,000.00	50,000	Allowance	50,000	
		New Steel Trusses at Auditorium Stage Roof per FBE Reports	102,850.00 sf	-	-	-	-	6.00	617,100		617,100	
		New Roof Deck thru out the School and Auditorium	1.00 ls	-	-	-	-	50,000.00	50,000	Allowance	50,000	
		Added Steel Trusses at West Gym Roof per FBE Report	50.00 wks	2,720.00	136,000	-	-	-	5,000.00	3,050,000		3,050,000
		Support Labor	610.00 ln	-	-	-	-	-	250,000.00	250,000	Allowance	250,000
		Structural Steel Columns, Beams & Decking 1936 Building	1.00 ls	-	-	-	-	-	50,000.00	50,000	Allowance	50,000
		Allowance to Shore Existing Perimeter Walls										
		5500		Misc. Metal	350.00 lf	-	-	-	-	50.00	17,500	
Lintels for Openings	1.00 ls			-	-	-	-	3,500.00	3,500		3,500	
Roof Hatch & Access Ladder	145.00 lf			-	-	-	-	75.00	10,875		10,875	
Interior Ramp Railings	40.00 lf			-	-	-	-	150.00	6,000		6,000	
Exterior Railings	15.00 lf			-	-	-	-	65.00	975		975	
Loading Dock Steel Angles	925.00 ea			-	-	-	-	100.00	92,500		92,500	
CMU Seismic Clip Sets	4.00 ea			-	-	-	-	500.00	2,000		2,000	
Elevator Sill Angles	1.00 ea			-	-	-	-	1,000.00	1,000		1,000	
Elevator Pit Ladder	1.00 ea			-	-	-	-	500.00	500		500	
Sump Pit Cover and Frame	1.00 ea			-	-	-	-	1,000.00	1,000		1,000	
Hoisting Beam	1.00 ls			-	-	-	-	50,000.00	50,000		50,000	
Misc. Metal - Unknown	65.00 tsr			-	-	-	-	725.00	47,125		47,125	
Pan Stairs w/ Picket & Pipe Rail New Addition	195.00 tsr			-	-	-	-	725.00	141,375		141,375	
Pan Stairs w/ Picket & Pipe Rail 1936 Addition												
5600		Entrance Canopy	1.00 ls	-	-	-	-	50,000.00	50,000		50,000	
		Entrance Canopy at Lobby	1.00 ls	-	-	-	-	25,000.00	25,000		25,000	
6000		WOOD & PLASTIC										
		Rough Carpentry	217,260.00 sf	-	-	-	-	0.50	108,630		108,630	
		Misc. Rough Carpentry/Int.	60.00 wks	-	-	-	-	-	-	-	163,240	
		Support Labor	1.00 ls	2,720.00	163,200	0.25	54,315	-	75,000		163,200	
		Interior Wall Blocking									75,000	

CONSTRUCTION COSTS (CONT.)—EMS

SECTION 5: FINANCIAL ANALYSIS

Group	Phase	Description	Takeoff Quantity	Labor Cost/Unit	Labor Amount	Material Cost/Unit	Material Amount	Sub Cost/Unit	Sub Amount	Sub Name	Total Amount
	6100	Rough Carpentry	1,688.00 sf	-	-	-	-	7.00	11,816		11,816
	6600	FRP Panels Kitchen									
		Arch. Millwork									
		Classroom - Base & Wall Cabinet w/Counter Top	1,697.00 lf					375.00	636,375		636,375
		Millwork based on existing plans & details	1.00 ls					600,000.00	600,000	Aubin	600,000
		Window Sills Solid Surface	350.00 lf					22,750	22,750		22,750
		Wall Shelving Units	150.00 lf					75.00	11,250		11,250
		Wardrobe Unit	41.00 ea					30,000.00	41,000		41,000
		Lobby Wall Covering	1.00 ls					75.00	900		900
		18" Deep Storage Shelves - Library	12.00 lf					25,000.00	25,000		25,000
		Circulation Deck @ Library	1.00 ls					100.00	2,200		2,200
		24" Deep Storage Shelves - Library	22.00 lf					425.00	9,750		9,750
		FACS - Existing Casework	230.00 lf					425.00	17,000		17,000
		Art Class - Existing Casework	40.00 lf					25.00	2,000		2,000
		12" Shelves	80.00 lf					150.00	1,800		1,800
		18" Mail Slots	12.00 lf					75.00	750		750
		18" Deep Storage Shelves -	10.00 lf					500.00	500		500
		4' x 30" Book Case	1.00 ea					450.00	15,750		15,750
		Display Case	35.00 lf					45.00	70,875		70,875
		Window Sills Solid Surface	1,575.00 lf					30,000.00	30,000	Allowance	30,000
		Unknown Millwork	1.00 ls					1,200.00	9,600		9,600
		Wood Benches	8.00 ea								
7000		THERMAL/MOISTURE									
	7120	Waterproofing - Elevator Pit	1.00 ls					3,000.00	3,000	Excluded	3,000
		Waterproofing Foundation Walls	1.00 ls								
	7210	Building Insulation									
		Open Cell Spray Foam Ins., 5.5" R-20 at Ext Walls of 1936	57,000.00 sf					5.50	313,500	Chey	313,500
	7262	Air/Vapor Barrier System									
		Air Vapor Barrier New Exterior Walls	19,375.00 sf					4.75	92,031		92,031
	7484	Aluminum Soffit									
		Aluminum Ceiling / Soffits at Canopys & Overhangs	1,715.00 sf					20.00	34,300		34,300
	7500	Membrane Roofing									
		EPDM Roofing	32,350.00 sf					12.00	388,200		388,200
		Existing EPDM Roofing Remove and Replace	108,390.00 sf					15.00	1,625,850		1,625,850
	7810	Spray on Fireproofing									
		Spray on Fireproofing	sf							EXCLUDED	
	7840	Firestopping									
		Firestopping Sub	1.00 ls					50,000.00	50,000		50,000
	7900	Caulking & Sealants									
		Caulking	1.00 ls					127,500.00	127,500		127,500
	7950	Expansion Control									
		Horizontal Expansion Joint Cover Assemblies	577.00 lf			40.00	23,080	60.00	34,620		57,700
		Fire Rated Vertical Expansion Joint Cover Assemblies	530.00 lf			40.00	21,200	40.00	21,200		42,400
8000		DOORS & WINDOWS									
	8110	Doors, Frames & Hardware									
		Classroom Doors	85.00 ea					1,500.00	127,500		127,500
		Corridor Doors	5.00 ea					2,400.00	12,000		12,000
		Corridor Doors	37.00 pr					3,600.00	133,200		133,200
		Exterior Doors	15.00 ea					2,150.00	32,250		32,250
		Stair Doors	14.00 pr					4,000.00	56,000		56,000
		Storage/Jan/Mech Doors	46.00 ea					1,250.00	57,500		57,500
		Borrowed Lights	14.00 ea					750.00	10,500		10,500
		Office Doors	29.00 ea					1,400.00	40,600		40,600
		Toilet Room Doors	34.00 ea					1,000.00	34,000		34,000
		Sound Proof Doors	1.00 ea					2,000.00	2,000		2,000
		Sound Proof Doors	8.00 pr					4,000.00	32,000		32,000
		Kitchen/Serving Doors	3.00 ea					700.00	2,100		2,100

CONSTRUCTION COSTS (CONT.)—EMS

SECTION 5: FINANCIAL ANALYSIS

Group	Phase	Description	Takeoff Quantity	Labor Cost/Unit	Labor Amount	Material Cost/Unit	Material Amount	Sub Cost/Unit	Sub Amount	Sub Name	Total Amount	
8110		Doors, Frames & Hardware										
		Library Double Door	2.00 ea				1,800.00	3,600		3,600		
		HM x HM Reld	2.00 ea					1,200.00	2,400			
		Classroom Interconnecting Doors	58.00 ea					1,200.00	69,600			
		Cafeteria HM x HM w/Glass Doors	3.00 pr					3,800.00	11,400			
		Access Control Hardware										
		Access Control Hardware	1.00 ls					105,000.00	105,000	Allowance		105,000
		Overhead Doors										
		Ext Overhead Door at Loading Dock 10' x 10'	1.00 ea					3,000.00	3,000			
		Storage Door 7'x7'	1.00 ea					1,000.00	1,000			
8180		Interior Overhead Colling Door - 25'-0" x 10'-0"	1.00 ea				11,250.00	11,250				
		Interior Overhead Colling Door - 20'-0" x 8'-0"	2.00 ea				7,200.00	14,400				
		Overhead Door 14'x10'	1.00 ea					6,300.00	6,300			
		Automatic Door Operators										
8415		Automatic Door Operators	8.00 each				2,500.00	20,000				
		Storefronts										
8430		Aluminum Slider Windows (Type A, C, F, & G)	1,940.00 sf				55.00	106,700				
		Aluminum Framed Entrance Storefronts	2,860.00 sf				65.00	172,900				
		Entrance Doors	60.00 ea					5,500.00	330,000			
8440		Bullet Resistant Vestibule Allowance	1.00 ls				50,000.00	50,000				
		Curtain Wall										
8440		Curtain Wall	3,230.00 sf				75.00	242,250				
		Windows										
8500		Aluminum Windows	13,165.00 sf				65.00	855,725				
		Skylight Structures										
8625		Kalwall - Skylight Structures	465.00 sf				60.00	27,900				
		Kalwall - Skylight Structures at Cafe	805.00 sf				60.00	48,300				
8800		Glass & Glazing										
		Interior Glazing Allowance	1.00 ls				25,000.00	25,000				
8900		Louvers										
		Louvers	1.00 ls				6,500.00	6,500				
9000		FINISHES										
		Gypsum Drywall										
		Furred Walls at Ext Walls	57,000.00 sf					5.00	285,000			
		Interior Walls	53,045.00 sf					10.00	530,450			
		Corridor Walls	47,957.00 sf	0.00				11.00	527,527			
		Exterior Perimeter Walls	14,470.00 sf					14.00	202,580			
		Shaft Walls Not Shown for HVAC Openings	1.00 ls					100,000.00	100,000			
		Metal Stud Engineering	1.00 ls					3,500.00	3,500			
		Support Labor	120.00 wks			326,400						
		Unlead and Move Materials	1.00 ls					10,000.00	10,000			
9270		Soffit Allowance	1.00 ls				30,000.00	30,000				
		Drywall Ceilings/ Soffits										
9270		Drywall Ceilings/ Soffits	6,930.00 sf				8.00	55,440				
		Drywall Ceiling - Locker Room - DAFS	2,295.00 sf				8.00	18,360				
9300		Ceramic Tile										
		Ceramic Floor Tile	2,000.00 sf				12.00	24,000				
		Ceramic Floor Tile - Locker & Toilet Rooms	6,065.00 sf				12.00	72,780				
		Ceramic Base	2,655.00 Inft				15.00	39,825				
		Ceramic Wall Tile	10,160.00 sf				10.00	101,600				
		Crack Suppression - Floor	8,065.00 sf				3.00	24,195				
		Quarry Tile										
		Quarry Floor Tile	5,523.00 sf				10.00	55,230				
		Quarry Tile Base	616.00 Inft				15.00	9,240				
		Crack Suppression - Floor	5,523.00 sf				4.00	22,092				
9340		Porcelain Tile										
		Porcelain Tile Floor	12,144.00 sf				16.00	194,304				
		Porcelain Tile Base	1,703.00 Inft				15.00	25,545				

CONSTRUCTION COSTS (CONT.)—EMS

SECTION 5: FINANCIAL ANALYSIS

Group	Phase	Description	Takeoff Quantity	Labor Cost/Unit	Labor Amount	Material Cost/Unit	Material Amount	Sub Cost/Unit	Sub Amount	Sub Name	Total Amount
	9340	Porcelain Tile									
		Crack Suppression - Floor	12,144.00 sf	-	-	-	-	3.00	36,432		36,432
		Porcelain Tile Walls - Corridors	15,140.00 sf	-	-	-	-	16.00	242,240		242,240
		Porcelain Tile Base - Corridors	3,785.00 sf	-	-	-	-	10.00	37,850		37,850
	9500	Acoustical Ceilings									
		ACT - Classroom / Corridors	140,904.00 sf	-	-	-	-	3.50	493,164		493,164
		ACT - Wet Areas	7,685.00 sf	-	-	-	-	3.50	26,898		26,898
		ACT - Cafe Ceiling (\$\$\$) Premium	1,770.00 sf	-	-	-	-	5.00	8,850		8,850
	9510	Wall Panels									
		Padded Walls	615.00 sf	-	-	-	-	15.00	9,225		9,225
		Acoustic Wall Panels in Music	1.00 ls	-	-	-	-	7,500.00	7,500		7,500
		Acoustic Wall Panels in Gyms	1.00 ls	-	-	-	-	20,000.00	20,000		20,000
	9600	Flooring									
		Moisture Mitigation	36,335.00 sf	-	-	-	-	4.50	163,508		163,508
	9642	Wood Athletic Flooring									
		Re-Finish Small Gym Wood Floor	5,560.00 sf	-	-	-	-	5.00	27,800		27,800
		Re-Finish Large Gym Wood Floor	12,070.00 sf	-	-	-	-	5.00	60,350		60,350
		Gym Floor Repair (1/10th of the floor area)	1,207.00 sf	-	-	-	-	16.00	19,312		19,312
	9650	Resilient Floors & Base									
		MCT Enhanced Flooring	100,685.00 sf	-	-	-	-	6.00	604,110		604,110
		Rubber Base	21,300.00 lft	-	-	-	-	1.50	31,950		31,950
	9655	Rubber Flooring									
		Rubber Stair treads & Risers	377.00 lrd	-	-	-	-	140.00	52,780		52,780
		Rubber Floor Tile at Landings	3,400.00 sf	-	-	-	-	10.00	34,000		34,000
	9685	Carpet Tile									
		Carpet Tiles	2,335.00 sy	-	-	-	-	40.00	93,400		93,400
	9900	Painting									
		Painting - Miscellaneous Undefined	1.00 ls	-	-	-	-	20,000.00	20,000		20,000
		Touch-Up Allowance	1.00 ls	-	-	-	-	15,000.00	15,000		15,000
		Paint CMU (Prime + Filler + 2 Finish) - Latex	333,635.00 sf	-	-	-	-	0.75	250,226		250,226
		Paint New GWB Ceiling	2,567,382.00 sf	-	-	-	-	0.60	1,534,429		1,534,429
		Paint Existing Structure in Gyms & Auditorium	5,270.00 sf	-	-	-	-	1.10	5,797		5,797
		Paint Exposed Structure in Gyms & Auditorium	28,290.00 sf	-	-	-	-	1.50	42,435		42,435
		Staging for Gyms & Auditorium	1.00 ls	-	-	-	-	75,000.00	75,000		75,000
		Paint HM Doors & Frames	356.00 ea	-	-	-	-	110.00	39,160		39,160
		Paint Stair & Ralls	1.00 ls	-	-	-	-	50,000.00	50,000		50,000
10000		SPECIALTIES									
	10100	Visual Display Boards									
		MB - 10'x5'	67.00 ea	-	-	-	-	500.00	33,500		33,500
		TB - 4'x4'	78.00 ea	-	-	-	-	250.00	19,500		19,500
		MB - 16'x4'	71.00 ea	-	-	-	-	800.00	56,800		56,800
	10150	Toilet Partitions									
		Fir mtd / Oh Braced - Partition (Res) Plasters & Doors Only	14.00 ea	-	-	-	-	600.00	8,400		8,400
		Fir mtd / Oh Braced - Partition (Res) Plasters & Doors Only	42.00 ea	-	-	-	-	600.00	25,200		25,200
		Fir mtd / Oh Braced - Partition (Res)	7.00 ea	-	-	-	-	1,100.00	7,700		7,700
		Fir mtd / Oh Braced - Partitions (HCP)	14.00 ea	-	-	-	-	1,300.00	18,200		18,200
		Urinal Screens	17.00 ea	-	-	-	-	350.00	5,950		5,950
		Shower Stalls	16.00 ea	-	-	-	-	1,500.00	24,000		24,000
	10190	Cubicle Curtain Track									
		Cubicle Curtain Track w/ Hooks	70.00 lf	-	-	-	-	50.00	3,500		3,500
	10260	Corner Guards									
		FRP - Jamitor	200.00 sf	-	-	-	-	8.00	1,600		1,600
	10400	Signs									
		Signs	312.00 ea	-	-	-	-	110.00	34,320		34,320
		Graphic Signs Allowance	1.00 ls	-	-	-	-	10,000.00	10,000	Allowance	10,000
		Exterior Sign Allowance	1.00 ea	-	-	-	-	20,000.00	20,000	Allowance	20,000
	10500	Lockers									
		Lockers - Hallway Lockers 18" x 60"	346.00 each	-	-	-	-	300.00	103,800		103,800

CONSTRUCTION COSTS (CONT.)—EMS

SECTION 5: FINANCIAL ANALYSIS

Group	Phase	Description	Takeoff Quantity	Labor Cost/Unit	Labor Amount	Material Cost/Unit	Material Amount	Sub Cost/Unit	Sub Amount	Sub Name	Total Amount
	10500	Lockers									
		Lockers - 4 Tier PE Locker Room	50.00 each	-	-	-	-	375.00	18,750		18,750
		Lockers - Sports Lockers	50.00 each	-	-	-	-	400.00	20,000		20,000
	10520	Firefighting Dev									
		Fire Extinguisher / Cabinets	44.00 ea	-	-	-	-	300.00	13,200		13,200
	10650	Folding Partitions									
		Operable Partitions	290.00 sf	-	-	-	-	45.00	13,050		13,050
	10800	Toilet Accessories									
		18" Grab Bars	28.00 ea	30.00	840	30.00	840	-	-		1,680
		36" Grab Bars	28.00 ea	30.00	840	40.00	1,120	-	-		1,960
		42" Grab Bars	28.00 ea	30.00	840	50.00	1,400	-	-		2,240
		Surface Mount Single Roll TP Dispenser	95.00 ea	30.00	2,850	25.00	2,375	-	-		5,225
		Surface Mount Lever Op Roll TP Dispenser	28.00 ea	50.00	1,400	700.00	19,600	-	-		21,000
		Electric Hand Dryers	32.00 ea	90.00	2,880	900.00	28,800	-	-		31,680
		Surface Mounted Soap Dispenser	66.00 ea	30.00	1,980	30.00	1,980	-	-		3,960
		Sanitary Nap Dispenser	52.00 ea	30.00	1,560	25.00	1,300	-	-		2,860
		Baby Changing Station	2.00 ea	50.00	100	475.00	950	-	-		1,050
		Robe Hooks	50.00 ea	15.00	750	7.00	350	-	-		1,100
	10826	Bathroom Mirrors									
		2x4 SS Frame Bathroom Mirrors	66.00 ea	30.00	1,980	200.00	13,200	-	-		15,180
	10900	Misc. Specialties									
		Mon. Strip	8.00 each	30.00	240	150.00	1,200	-	-		1,440
11000		EQUIPMENT									
	11060	Stage Curtains & Lighting									
		Rigging & Curtains	1.00 ls	-	-	-	-	350,000.00	350,000	High Output	350,000
		Audio Visual System	1.00 ls	-	-	-	-	400,000.00	400,000	High Output	400,000
	11100	Loading Dock Equipment									
		Dock Bumpers	6.00 ea	-	-	-	-	150.00	900		900
	11132	Projection Screens									
		Short Throw Projectors	73.00 each	-	-	-	-	5,500.00	401,500		401,500
	11400	Food Service									
		Food Service Equipment 50% New	1.00 ls	-	-	-	-	400,000.00	400,000	Allowance	400,000
		Service Equipment for Service	1.00 ls	-	-	-	-	200,000.00	200,000	Allowance	200,000
		Reinstall Existing Food Service Equipment	1.00 ls	-	-	-	-	50,000.00	50,000	Allowance	50,000
	11452	Residential Appliances									
		Refrigerator	4.00 each	-	-	-	-	2,500.00	10,000		10,000
		Microwave	4.00 each	-	-	-	-	150.00	600		600
	11490	Athletic Equipment									
		Basketball Hoop	8.00 ea	-	-	-	-	6,500.00	52,000		52,000
		Divider Curtain	2,700.00 sf	-	-	-	-	15.00	40,500		40,500
		Wall Pads	1,440.00 sf	-	-	-	-	25.00	36,000		36,000
		New Bleachers	1,200.00 seat	-	-	-	-	65.00	78,000		78,000
		Wrestling Mat Holder	1.00 ls	-	-	-	-	6,500.00	6,500		6,500
12000		FURNISHINGS									
	12020	Blinds & Shades									
		Blinds & Shades	1.00 ls	-	-	-	-	92,300.00	92,300		92,300
	12300	Manufactured Casework									
		Laboratory Casework	3.00 ea	-	-	-	-	5,000.00	15,000	w/ Millwork	15,000
		Laboratory Fume hoods									
	12612	Fixed Audience Seating									
		Fixed Audience Seating - Reupholster	1,500.00 each	-	-	-	-	225.00	337,500		337,500
	12670	Entrance Mats									
		Entrance Mats	2,428.00 sf	-	-	-	-	25.00	60,700		60,700
14000		CONVEYING SYS									
	14020	Elevators									
		Elevators - 4 Stop Rehab	1.00 ls	-	-	-	-	60,000.00	60,000	Allowance	60,000
		Elevators 4 Stop	1.00 ea	-	-	-	-	160,000.00	160,000		160,000

CONSTRUCTION COSTS (CONT.)—EMS

SECTION 5: FINANCIAL ANALYSIS

Group	Phase	Description	Takeoff Quantity	Labor Cost/Unit	Labor Amount	Material Cost/Unit	Material Amount	Sub Cost/Unit	Sub Amount	Sub Name	Total Amount
210000	211200	FIRE SUPPRESSION									
		Fire-Suppression Standpipes									
		New Addition Fire-Suppression / Standpipes	41,250.00 sf	-	-	-	-	-	3.50	144,375	
220000	220100	Fire-Suppression Reset Heads in Renovated Areas	176,000.00 sf	-	-	-	-	3.50	616,000		616,000
		PLUMBING									
230000	230100	Plumbing Subcontract	217,260.00 sf	-	-	-	-	12.50	2,715,750		2,715,750
		HVAC									
		HVAC Subcontract	217,260.00 sf	-	-	-	-	40.00	8,690,400		8,690,400
260000	260100	Maintain Existing Systems during Phased Reno	1.00 ls	-	-	-	-	500,000.00	500,000	Allowance	500,000
		Temp Electrical / HVAC / Plumbing Hook-Ups	1.00 ls	-	-	-	-	50,000.00	50,000	Allowance	50,000
		Equipment									
230150	230150	Temporary Heat	16.00 mnth	4,000.00	64,000	30,000.00	480,000				544,000
		ELECTRICAL									
		Electrical	217,260.00 sf	-	-	-	-	28.00	6,083,280		6,083,280
310000	310100	Electrical Subcontract Including New PA & Fire Alarm	1.00 ls	-	-	-	-	75,000.00	75,000	Included Above	75,000
		Site Lighting / Genset Ductbank	1.00 ls	-	-	-	-	2.00	434,520	By Owner	434,520
		New Generator									
		New Main Service Upgrade	217,260.00 sf	-	-	-	-	2.00	434,520	By Owner	434,520
		New Exterior & Interior Cameras									
310000	310100	New Phone System	1.00 ls	-	-	-	-				
		EARTHWORK									
		Earthwork	1.00 ls	-	-	-	-	750,000.00	750,000	Brandon Hiltz	750,000
320000	323100	General Site Prep / Demo	75,245.00 sf	-	-	-	-	5.00	376,225	Brandon Hiltz	376,225
		Roadway, Existing Parking & New Parking Lot	38,125.00 sf	-	-	-	-	4.50	171,563	Brandon Hiltz	171,563
		Building - Earthwork	75,245.00 sf	-	-	-	-	4.50	338,603	Brandon Hiltz	338,603
		Drainage for Parking Lots	33,500.00 sf	-	-	-	-	4.50	150,750	Brandon Hiltz	150,750
		Temp Bus Loop and Parking across front Elm St Lawn									
320000	328000	EXTERIOR IMPROVEMENTS									
		Fences and Gates									
		Generator Privacy Fence	115.00 lf	-	-	-	-	45.00	5,175		5,175
329000	329000	Dumpster Privacy Fence	160.00 lf	-	-	-	-	45.00	7,200		7,200
		Irrigation									
		Irrigation Subcontract	1.00 ls	-	-	-	-	50,000.00	50,000		50,000
329000	329000	Landscaping									
		New Grass Areas	22,000.00 sf	-	-	-	-	0.50	11,000		11,000
		Hydro Seed	66,000.00 sf	-	-	-	-	0.13	8,580		8,580
329000	329000	Landscaping	1.00 ls	-	-	-	-	50,000.00	50,000	Allowance	50,000

Estimate Totals

Description	Amount	Totals	Hours	Rate	Cost Basis/cost per Unit	Percent of Total
Labor	4,008,769		##### hrs		18,451 /sf	5.6%
Material	1,649,532				7,592 /sf	2.31%
Subcontract	55,221,214				254,171 /sf	77.37%
Equipment						
Other	60,879,515	60,879,515	4,159,920 hrs		280,215 /sf	85.30
Pre Construction Services %	121,759			0.200 %	0.560 /sf	0.17%
NH Performance & Payment Bond	427,881				1,969 /sf	0.60%
P & P Bond Ext over 36 mths	89,662				0.413 /sf	0.13%
Builders Risk Insurance	89,211			1.250 \$/ 1,000 T	0.411 /sf	0.13%

CONSTRUCTION COSTS (CONT.)—EMS

SECTION 5: FINANCIAL ANALYSIS

Estimate Totals

General Liability & Umbrella P	496,012								
Software Licenses	91,923								
Contingency %	1,865,879	0.695 %	T					2,283 /sf	0.70%
Design Contingency %	3,203,092	0.129 %	T					0.423 /sf	0.13%
Escalation %	2,854,745	3.000 %	T					8,588 /sf	2.61%
CM Fee %	1,248,951	5.000 %	T					14,743 /sf	4.49%
Total	71,368,630	4.000 %	T					13,140 /sf	4.00%
		1.750 %	T					5,749 /sf	1.75%
								328,494 /sf	

.....
CONSTRUCTION COSTS (CONT.)—EMS
SECTION 5: FINANCIAL ANALYSIS

CONSTRUCTION COSTS (CONT.)—FMS

SECTION 5: FINANCIAL ANALYSIS

Fairgrounds MS Budget Summary 10-8-19

Site GSF	100,000 SF		
Addition & Canopy GSF	1,614 SF		
Renovation GSF	36,257 SF		
BASE SCOPE	COST PER UNIT		
General Conditions (11 months)	\$51,300.00 / month	\$	564,214.00
Site Improvements	\$7.00 / SF	\$	1,483,604.00
New Secure Addition & Renovations	\$344.00 / SF	\$	1,770,893.00
Area A Renovations	\$108.00 / SF	\$	1,081,763.00
Area B Renovations	\$155.00 / SF	\$	1,424,399.00
Area D - Gym Renovations	\$50.00 / SF	\$	282,019.00
Science Room Renovations	\$104.00 / SF	\$	668,540.00
Secure Vestibule Allowance	1 / LS	\$	47,045.00
Subtotal Additions & Renos. - Base Scope (Includes Add-ons)		\$	7,322,477.00
PRICING OPTIONS			
FACS - Cooking Lab Gas Shutoffs	1 / LS	\$	17,492.00
Boiler Room Equipment Upgrades	1 / LS	\$	106,828.00
Data Infrastructure Upgrades	1 / LS	\$	37,331.00
Fire Alarm System Upgrades	1 / LS	\$	263,196.00
Security System Upgrades	1 / LS	\$	140,168.00
New Electric Distribution Allowance	1 / LS	\$	386,459.00
Replace Gym Windows	1 / LS	\$	43,670.00
Add Safety Items at Cleveland Street (Striped Shoulder & School Zone Signage)	1 / LS	\$	22,305.00
Add New Parking lot at Rear of Fairgrounds School	1 / LS	\$	124,725.00
Add New Asst. Principal Space	1 / LS	\$	88,045.00
Paint Gym Walls & Ceiling	1 / LS	\$	14,792.00
Subtotal Pricing Options (Includes Add-ons)		\$	1,245,011.00
TOTAL - Base Scope + Pricing Options		\$	8,567,488.00
		\$	8,567,488.00

CONSTRUCTION COSTS (CONT.)—FMS
SECTION 5: FINANCIAL ANALYSIS

**Nashua Middle Schools
Fairgrounds Middle School - Addition & Renovations
Conceptual Estimate Updated 10-7-19**

Project name	Nashua Fairgrounds MS 27 Cleveland St. Nashua NH 03060
Estimator	JEB
Labor rate table	NH
Job size	37875 sf
Bid date	10/7/2019 12:00 PM
Notes	<p>Schedule:</p> <ul style="list-style-type: none"> - We have allowed for overall project completion within 11-months. - We have assumed a June 2020 Construction Start. <p>Add Alternates</p> <ul style="list-style-type: none"> - See Alternate Bid Item Report. <p>Exclusions</p> <ul style="list-style-type: none"> - Roof Structure reinforcement for updated snow loads. - Tipping fees at City Landfills. - Trash disposal costs. - Ledge Removal or replacement costs. - Unsuitable soils removal or replacement costs. - Testing By Owner - Industrial hygienists by owner. - Building Permit Fee - By Owner - Temp Electric Usage - By Owner - Temp. Water Usage - By Owner - Water consumption costs - by Owner. - Gas Consumption - by owner. - Furniture Removal or reinstallation costs. - Plam Tops on new lockers (assumed sloped tops). - Furnishings. - Installation of projectors, screens, brackets, TV monitors, Eno Boards, or folding partitions. - Upgrades to PA & Intercom at existing school. - Waterproofing. - Underpinning - Spray Fireproofing - Science Lab Hoods - Fire Pump - Water Meter Fee - Gas Company Back charges - Eversource Backcharges. - Winter Concrete

CONSTRUCTION COSTS (CONT.)—FMS
SECTION 5: FINANCIAL ANALYSIS

Page 2
10/8/2019 4:00 PM

Spreadsheet Report
Nashua Fairgrounds MS

Harvey Construction

Notes
- New Trenching or Plumbing in existing Science Labs (Assume existing plumbing is to be re-used)

Report format
Sorted by 'Group phase/Phase'
'Group phase' summary

CONSTRUCTION COSTS (CONT.)—FMS

SECTION 5: FINANCIAL ANALYSIS

Group	Phase	Description	Takeoff Quantity	Labor Cost/Unit	Labor Amount	Material Cost/Unit	Material Amount	Sub Cost/Unit	Sub Amount	Sub Name	Total Amount
1000		GENERAL CONDITIONS	11.00 mn	37,286.36	410,150	1,909.43	21,004	4,496.82	49,465		480,619
1950		GENERAL REQUIREMENTS	11.00 mn					3,529.09	38,820		38,820
2000		DEMOLITION					9,615		317,690		358,505
3000		CONCRETE	37,625.00 sf	0.27	10,120	0.70	26,341	0.95	35,880		72,341
4000		MASONRY	37,625.00 sf	0.26	9,600			5.70	214,282		223,882
5000		METALS	37,625.00 sf	0.86	32,400			3.61	135,992		168,392
6000		Carpentry	37,625.00 sf	2.17	81,600	0.24	9,148	21.78	819,279		910,027
7000		THERMAL/MOISTURE			4,800		8,400		195,906		209,106
8000		DOORS & WINDOWS	37,625.00 sf			0.19	7,000	5.63	211,895		218,895
9000		FINISHES			16,800		3,600		650,189		670,589
10000		SPECIALTIES	37,625.00 sf	0.02	680	0.05	1,760	7.21	271,150		273,590
11000		EQUIPMENT	37,625.00 sf					1.14	43,000		43,000
12000		FURNISHINGS	37,625.00 sf					1.70	64,067		64,067
13000		SPECIAL CONST							75,000		75,000
210000		FIRE SUPPRESSION	37,625.00 sf					1.64	61,722		61,722
220000		PLUMBING			2,400				263,270		265,670
260000		HVAC	37,625.00 sf	0.43	16,000	1.06	40,000	11.58	435,744		491,744
270000		ELECTRICAL			38,400				1,154,429		1,192,829
280000		COMMUNICATIONS			4,800				27,000		31,800
310000		Secure Vestibule			14,400				115,000		129,400
320000		EARTHWORK							799,585		799,585
330000		EXTERIOR IMPROVEMENTS							340,531		340,531
		UTILITIES							178,000		178,000

Estimate Totals

Description	Amount	Totals	Hours	Rate	Cost Basis/net per Unit	Percent of Total
Labor	673,350		##### hrs		17,778 /sf	7.86%
Material	126,867				3,350 /sf	1.48%
Subcontract	6,497,894				171,562 /sf	75.84%
Equipment			160,000 hrs			
Other	7,298,111	7,298,111			192,689 /sf	85.18
Performance & Payment Bond	40,405				1,507 /sf	0.71%
Builder's Risk Insurance	10,700				0,283 /sf	0.12%
General Liability & Umbrella P	50,524				1,572 /sf	0.68%
CM Fee %	140,000				3,690 /sf	1.75%
Pre Construction Services	15,158				0,400 /sf	0.18%
Software Licenses	11,035				0,291 /sf	0.13%
CM Contingency	228,150				6,024 /sf	2.66%
Design Contingency %	391,657				10,341 /sf	4.57%
Escalation 4% 2020 Start	342,700				9,048 /sf	4.00%
Total	8,567,490	8,567,490			226,204 /sf	

CONSTRUCTION COSTS (CONT.)—FMS

SECTION 5: FINANCIAL ANALYSIS

Group	Phase	Description	Takeoff Quantity	Labor Cost/Unit	Labor Amount	Material Cost/Unit	Material Amount	Sub Cost/Unit	Sub Amount	Sub Name	Total Amount
1000		GENERAL CONDITIONS									
	1001	Project Dimensions									
		Site Square Footage	100,000.00 sf								0
		Base Scope Renovation Square Footage	36,257.00 sf								0
		New Additions Square Footage	1,364.00 sf								0
		Existing School - GSF	124,250.00 sf								0
	1100	Superintendent									180,000
		Asst. Superintendent	45.00 wk	4,000.00	180,000.00	0	0				0
		General Superintendent	4.00 wk	4,800.00	19,200.00						19,200
	1140	Proj. Management									
		Project Executive	2.00 wk	4,800.00	9,600.00						9,600
		Senior Project Manager	23.00 wk	4,400.00	101,200.00						101,200
		Asst. Project Manager	23.00 wk	3,200.00	73,600.00						73,600
		Mechanical Coordinator	6.00 wk	3,000.00	18,000.00						18,000
	1150	Project Accounting									
		Accounting	2.00 wk	2,600.00	5,200.00						5,200
	1210	Harvey's Field Office									
		Harvey's Field Office	11.00 mnth					425.00	4,675.00		4,675
		Office Trailer Set Up	1.00 ls	0.00	0	0.00	0	1,200.00	1,200.00		1,200
		Stairs to Trailer	11.00 mnth					35.00	385.00		385
		Bottled Water	11.00 mnth					35.00	385.00		385
		Temp. Phone Set Up	1.00 ls					200.00	200.00		200
		Temp. Phone	11.00 mnth					150.00	1,650.00		1,650
		Cell Phone	11.00 mnth					150.00	1,650.00		1,650
		Temp. Toilet	11.00 mnth					240.00	2,640.00		2,640
		Office Supplies	11.00 mnth			100.00	1,100				1,100
		Fax/Copier	11.00 mnth					200.00	2,200.00		2,200
		Computer	11.00 mnth					150.00	1,650.00		1,650
		Hi-Speed Internet Connection	11.00 mnth					75.00	825.00		825
	1260	Temp. Water	nmth							- By Owner	
	1285	Pickup Truck									
		Pick Up Truck	45.00 wk			225.00	10,125				10,125
	1300	Permits									
		Building Permit Fee	1.00 ls							- By Owner	
	1320	Safety									
		Safety Inspections (3.5 hrs. every other week)	84.00 hrs					125.00	10,500.00		10,500
		First Aid Kit Refills	6.00 mnth					50.00	300.00		300
	1330	Temp. Electric									
		Temp. Electric Usage	sf							- By Owner	0
	1335	Fire Protection									
		Fire Protection	1.00 ls			1,500.00	1,500				1,500
	1350	Snow Removal									
		Snow Removal	1.00 ls					5,000.00	5,000.00	Allowance	5,000
	1360	Small Tools									
		Small Tools	11.00 mnth			250.00	2,750				2,750
	1410	Job Cleanup									
		Job Cleanup - Base Scope	37,625.00 sf	0.00	0	0.03	1,129	0.00	0		1,129
		Final Clean Up - Base Scope	37,625.00 sf					0.40	15,050.00		15,050
	1430	Dumpsters									
		Dumpster Rental (Tipping fees by owner)	11.00 mnth			100.00	1,100				1,100
	1510	Blue Prints									
		Blue Prints	1.00 ls			1,000.00	1,000				1,000
		Postage & Overnight Expenses	11.00 mnth					75.00	825.00		825
	1520	Punch List									
		Punch List	1.00 ls	3,000.00	3,000.00	750.00	750				3,750

CONSTRUCTION COSTS (CONT.)—FMS

SECTION 5: FINANCIAL ANALYSIS

Group	Phase	Description	Takeoff Quantity	Labor Cost/Unit	Labor Amount	Material Cost/Unit	Material Amount	Sub Cost/Unit	Sub Amount	Sub Name	Total Amount
	1530	Job Signs	1.00 sign	100.00	100	800.00	800	-	-		900
		Way Finding Signs	1.00 ls	250.00	250	250.00	250	-	-		500
	1540	Photos	11.00 mnth	-	-	-	-	30.00	330		330
	1550	Testing	1s	-	-	-	-	-	-	By Owner	-
	1800	Record Drawings	1.00 ls	-	-	500.00	500	-	-		500
1950		GENERAL REQUIREMENTS									
	1962	Temp Conditions	1,070.00 sf	-	-	-	-	6.00	6,420		6,420
		Temp Hard Partitions - New Secure Add & Renos.	3,200.00 sf	-	-	-	-	6.00	19,200		19,200
		Temp Hard Partitions - Area A Renos	2,200.00 sf	-	-	-	-	6.00	13,200		13,200
2000		DEMOLITION									
	2030	Demolition	1.00 ls	-	-	-	-	25,000.00	25,000		25,000
		Int. Selective Demo & Disposal - New Secure ADD	2,000.00 sf	0.00	0	-	-	10.00	20,000		20,000
		Total Takedown Canopy at Main Entrance - New Secure Add	10,100.00 sf	0.00	0	-	-	5.00	50,500		50,500
		Selective Demo - Area A Reno.	3.00 wks	2,400.00	7,200	-	-	-	7,200		7,200
		Support Labor - New Secure ADD & Reno	6.00 wks	2,400.00	14,400	-	-	-	-	w/Roofing	14,400
		Support Labor - Area A Renos	4.00 wks	2,400.00	9,600	-	-	-	-		9,600
		Support Labor - Area B Renos	1.00 ls	-	-	-	-	10,000.00	10,000		10,000
		Create Openings to Run New MEFPF systems - New Secure ADD & Reno	1.00 ls	-	-	-	-	2,500.00	2,500		2,500
		Create Openings to Run New MEFPF systems - Area A Renos	9,195.00 sf	-	-	-	-	10.00	91,950		91,950
		Selective Demo & Disposal - Area B Renos.	1,923.00 sf	-	-	5.00	9,615	-	-		9,615
		Remove Clerestory windows Area B Renos.	1s	-	-	-	-	-	-	Allowance	7,500
		Debrading Steel - New Secure Add. & Reno.	1.00 each	-	-	-	-	880.00	880		880
		Negative Air Heipa Fan w/ Flex Duct	832.00 Int	-	-	-	-	10.00	8,320		8,320
2032		Concrete Sawcutting									
		Concrete Sawcutting, Trenching & Backfill - New Secure Add & Reno.	52.00 Int	-	-	-	-	20.00	1,040		1,040
2035		Asbestos Removal									
		Asbestos Removal Allowance if discovered during demo - New Secure Add & Reno.	1.00 ls	-	-	-	-	10,000.00	10,000	Allowance	10,000
		Asbestos Removal if discovered during Boiler Rm. Demo	1.00 ls	-	-	-	-	5,000.00	5,000	Allowance	5,000
		Asbestos Removal if discovered during Fire Alarm or Low Voltage System upgrades in Balance of School	1.00 ls	-	-	-	-	30,000.00	30,000	Allowance	30,000
2285		Shoring									
		Temp. Shoring for Bearing Wall Demo. - New Secure Add & Renos.	1.00 ls	-	-	-	-	50,000.00	50,000	Allowance	50,000
		Temp. Shoring for Bearing Wall Demo. - Area B Renos.	1.00 ls	-	-	-	-	5,000.00	5,000	Allowance	5,000
3000		CONCRETE									
	3010	Concrete Subs									
		Foundation Subcontractor - NEW Secure ADD	60.00 cy	-	-	-	-	250.00	15,000		15,000
		Support Labor - NEW Secure ADD	2.00 wks	2,400.00	4,800	-	-	-	-		4,800
		Foundation Subcontractor - Area B Reno	1.00 cy	-	-	-	-	250.00	250		250
		Support Labor - Area B Renos.	1.00 wks	2,400.00	2,400	-	-	-	-		2,400
3015		Flatwork Sub									
		Flatwork Sub SOG - NEW Secure ADD	800.00 sf	-	-	-	-	5.00	4,000		4,000
		Flatwork Sub Ext. Canopy - New Secure Add.	660.00 sf	-	-	-	-	5.00	3,300		3,300
		SOG Infill Flatwork Sub - Area B Renos.	70.00 sf	-	-	-	-	5.00	350		350
		Support Labor - Area B Renos.	1.00 wks	2,400.00	2,400	-	-	-	-		2,400
		Flatwork INFILL Sub - New Secure Add & Renos	614.00 sf	-	-	-	-	5.00	3,070		3,070
		Flatwork Sub Equip. Pads - New Secure Add & Reno	80.00 sf	-	-	-	-	5.00	400		400

CONSTRUCTION COSTS (CONT.)—FMS

SECTION 5: FINANCIAL ANALYSIS

Group	Phase	Description	Takeoff Quantity	Labor Cost/Unit	Labor Amount	Material Cost/Unit	Material Amount	Sub Cost/Unit	Sub Amount	Sub Name	Total Amount
	3015	Flatwork Sub Flatwork Sub Equip. Pads - Area B Reno	80.00 sf	-	-	-	-	5.00	400		400
	3018	Concrete Equipment Concrete Pumps - Foundation Work - New Secure Add	2.00 ea	-	-	-	-	1,100.00	2,200		2,200
	3200	Vapor Barrier 15-mil Vapor Barrier - New Secure ADD SOG	1,400.00 sf	-	-	0.25	350	-	-		350
	3251	Fdn Concrete - Figs. & Walls Foundation Concr4500 psi - New Secure ADD	60.00 cy	-	-	131.25	7,875	-	-		7,875
	3255	Slab Concrete 4" Slab On Grade Conc3000 psi - New Secure ADD	10.00 cy	-	-	126.50	1,265	-	-		1,265
		8" Ext. Canopy Slab Conc4500 psi - Library Add (660 sf)	16.00 cy	-	-	137.50	2,200	-	-		2,200
		SOG Infil Conc3000 psi - Area B Reno	1.00 cy	-	-	126.50	127	-	-		127
		Winter Concrete or Additives -	cy	-	-	-	-	-	-	Excluded	-
	3408	Grout Baseplate Grout Baseplates - New Secure Additions	10.00 ea	30.00	300	25.00	250	-	-		550
		Grout Baseplates - Area B Renos.	3.00 ea	30.00	90	25.00	75	-	-		165
	3425	Joint Filler Premold. Jt Filler - New Secure ADD & Reno.	150.00 lnt	-	-	0.35	53	-	-		53
		Premold. Jt Filler - Site Conc. Paving & Sidewalks	1,200.00 lnt	-	-	0.35	420	-	-		420
	3450	Perimeter Insul Perimeter Frdn. Insul. 2" - New Secure ADD	370.00 sf	0.25	92	1.25	463	-	-		555
	3452	Underslab Insulation 2" Underslab Insulation at 2' perimeter of SOG - New ADD	150.00 sf	0.25	38	1.25	188	-	-		225
	3810	Reinf. Steel Buy Reinforcing Steel (150lb per cy) - New Secure ADD	5.00 tn	-	-	1,100.00	5,500	-	-		5,500
		Buy Reinforcing Steel (150lb per cy) - Area B Renos.	0.10 tn	-	-	1,100.00	110	-	-		110
		Buy Reinforcing Steel (150lb per cy) - Site Conc Paving	3.00 tn	-	-	1,100.00	3,300	-	-		3,300
		Install Reinforcing Steel (150lb per cy) - New Secure ADD	5.00 tn	-	-	-	-	650.00	3,250		3,250
		Install Reinforcing Steel (150lb per cy) - Area B Renos.	0.10 tn	-	-	-	-	650.00	65		65
		Install Reinforcing Steel (150lb per cy) - Site Conc Paving	3.00 tn	-	-	-	-	650.00	1,950		1,950
	3850	Wire Mesh Buy Wire Mesh - New Secure ADD.	1,400.00 sf	-	-	0.29	403	-	-		403
		Buy Wire Mesh - Area B Renos	50.00 sf	-	-	0.29	14	-	-		14
		Buy Wire Mesh - Sidewalks & Conc Paving	15,000.00 sf	-	-	0.25	3,750	-	-		3,750
		Labor to Install Wire Mesh - New Secure ADD	1,400.00 sf	-	-	-	-	0.10	140		140
		Labor to Install Wire Mesh - Area B Renos	50.00 sf	-	-	-	-	0.10	5		5
		Labor to Install Wire Mesh - Site	15,000.00 sf	-	-	-	-	0.10	1,500		1,500
4000		MASONRY									
	4115	CMU Walls Masonry Rebar - New Secure Add & Renos	1.00 ls	-	-	-	-	5,000.00	5,000		5,000
		Install HM Frames in CMU - New Secure Add & renos (By Mason)	26.00 ea	-	-	-	-	125.00	3,250		3,250
		Ext Back-Up CMU Wall - 16'-0" - 8" - New Secure ADD	2,800.00 sf	-	-	-	-	14.00	39,200		39,200
		8" Interior CMU Wall - 12'-0" - New Secure ADD	4,818.00 sf	-	-	-	-	14.00	67,452		67,452
		Support Labor - New Secure Additions	4.00 wks	2,400.00	9,600	-	-	-	-		9,600
		6" Int. CMU Toilet Partition Wall to 6'-0" - New Secure ADD	340.00 sf	-	-	-	-	12.00	4,080		4,080
	4117	Masonry Veneers Brick Veneer Std Brick - New Secure Addition	2,800.00 sf	-	-	-	-	32.00	89,600		89,600
		Existing Brick - Repoint at Tie-ins New Secure Add	100.00 sf	-	-	-	-	25.00	2,500		2,500
	4550	Precast Concrete Precast Concrete Window Head & Sill - New Sec. Add	80.00 lf	-	-	-	-	40.00	3,200		3,200
5000		METALS									
	5100	Structural Steel Structural Steel - New Secure Addition (16#sf) 700 sf	6.00 tn	-	-	-	-	4,000.00	24,000		24,000
		Supplemental Steel for CU, IAH, EF's on Roof - New Secure Add & renos	5.00 ea	-	-	-	-	5,000.00	25,000		25,000
		Structural Steel - Canopy Addition (660 sf)	6.00 tn	-	-	-	-	4,200.00	25,200		25,200

CONSTRUCTION COSTS (CONT.)—FMS

SECTION 5: FINANCIAL ANALYSIS

Group	Phase	Description	Takeoff Quantity	Labor Cost/Unit	Labor Amount	Material Cost/Unit	Material Amount	Sub Cost/Unit	Sub Amount	Sub Name	Total Amount
	5100	Structural Steel									
		Supplemental Steel for CUJ, IAH & EF - Area B Renos	3.00 ea	-	-	-	-	5,000.00	15,000		15,000
		Additional Brace Framing - New Secure Add & renos	1.00 ls	-	-	-	-	1,500.00	1,500	Allowance	1,500
		New Roof Deck at New Addition & Canopy	1,364.00 sf	-	-	-	-	3.00	4,092		4,092
		Support Labor - New Secure Add & Renos	2.00 wks	2,400.00	4,800	-	-	-	-		4,800
		Structural Steel - Area B Music Corridor Reno (300 sf) (16#/sf)	3.00 tn	-	-	-	-	4,200.00	12,600		12,600
		Support Labor - Area B Renos	5.00 wks	2,400.00	12,000	-	-	-	-		12,000
		Layout Engr. - New Additions	4.00 wk	2,600.00	10,400	-	-	-	-		10,400
		Layout Engr. - Area B Reno	2.00 wk	2,600.00	5,200	-	-	-	-		5,200
	5500	Misc. Metal									
		Lintels for Openings - New Secure Add & Reno. (3 pc's per opening)	120.00 lf	-	-	-	-	30.00	3,600		3,600
		Misc. Metal - Unknown - New Secure Additions	1.00 ls	-	-	-	-	25,000.00	25,000		25,000
6000		Carpentry									
	6100	Rough Carpentry									
		Misc Rough Carpentry/Int. - New Secure Add & Reno	5,143.00 sf	-	-	0.25	1,286	0.50	2,572		3,857
		Support Labor - New Secure Add & Reno	4.00 wks	2,400.00	9,600	-	-	-	-		9,600
		Misc Rough Carpentry/Int. - Area A Reno.	10,100.00 sf	-	-	0.25	2,525	0.50	5,050		7,575
		Support Labor - Area A Reno	4.00 wks	2,400.00	9,600	-	-	-	-		9,600
		Misc Rough Carpentry/Int. - Area B Reno	9,195.00 sf	-	-	0.25	2,299	0.50	4,598		6,896
		Support Labor - Area B Reno.	4.00 wks	2,400.00	9,600	-	-	-	-		9,600
		Support Labor - Area D Gym Renos	2.00 wk	2,400.00	4,800	-	-	-	-		4,800
		Support Labor - Science Lab Renos	2.00 wk	2,400.00	4,800	-	-	-	-		4,800
		Misc Rough Carpentry/Int. - Area D Gym Reno	5,668.00 sf	-	-	0.25	1,417	0.50	2,834		4,251
		Misc Rough Carpentry/Int. - Science Lab Reno	6,484.00 sf	-	-	0.25	1,621	0.50	3,242		4,863
6600		Arch. Millwork									
		Window Sills - New Secure Add & Reno	43.00 lf	-	-	-	-	65.00	2,795		2,795
		Built-In Reception Desk with Storage Units - New Secure Add & Reno	1.00 ls	-	-	-	-	17,500.00	17,500		17,500
		Base Cabs at Work Area - New Secure Add & Reno	12.00 lf	-	-	-	-	250.00	3,000		3,000
		SS Counters at Work Area - New Secure Add & Reno	12.00 lf	-	-	-	-	200.00	2,400		2,400
		Base Cabs at Work Rm. - New Secure Add & Reno	43.00 lf	-	-	-	-	250.00	10,750		10,750
		SS Counters at Work Rm. - New Secure Add & Reno	43.00 lf	-	-	-	-	200.00	8,600		8,600
		Built Shelving Units (5-rows) Art Storage - Area B Renos.	227.00 lf	-	-	-	-	20.00	4,540		4,540
		Built-In Casework on back walls - Area A Reno	152.00 lf	-	-	-	-	327.00	49,704		49,704
		Tall Storage Cabs ART - Area B Renos	4.00 ea	-	-	-	-	1,400.00	5,600		5,600
6650		Lab Casework									
		Remove & Replace Science Lab Epoxy Tops - EXISTING LABS	1,681.00 sf	-	-	-	-	60.00	100,860		100,860
		Remove & Replace Science Lab PLAM Lower Cabs - EXISTING LABS	680.00 lf	-	-	-	-	275.00	187,000		187,000
		Remove & Replace Science Lab PLAM Upper Cabs - EXISTING LABS	618.00 lf	-	-	-	-	275.00	169,950		169,950
		Support Labor - Existing Science Labs	6.00 wks	2,400.00	14,400	-	-	-	-		14,400
		Patch & Match Finishes - Existing Science Labs	1,681.00 sf	-	-	-	-	10.00	16,810	Allowance	16,810
		Epoxy Tops - STEAM Area B Renos	27.00 sf	-	-	-	-	50.00	1,350		1,350
		PLAM Lower Cabs - STEAM Area B Renos	90.00 lf	-	-	-	-	250.00	22,500		22,500
		PLAM Upper Cabs - STEAM Area B Renos.	90.00 lf	-	-	-	-	250.00	22,500		22,500
		Epoxy Tops - ART Area B Renos	540.00 sf	-	-	-	-	50.00	27,000		27,000
		PLAM Lower Cabs - ART Area B Renos	180.00 lf	-	-	-	-	250.00	45,000		45,000
		PLAM Upper Cabs - ART Area B Renos.	180.00 lf	-	-	-	-	250.00	45,000		45,000
		Support Labor - Area B Renos.	12.00 wks	2,400.00	28,800	-	-	0	0		28,800
		Patch & Match Finishes - Area B Renos	9,195.00 sf	-	-	-	-	5.00	45,975	Allowance	45,975
7000		THERMAL/MOISTURE									
	7210	Building Insulation									
		3" Rigid Cavity Wall Insulation - New Secure Additions	2,800.00 sf	-	-	3.00	8,400	-	-		8,400
7262		Air/Vapor Barrier System									
		Vapor Barrier Spray Applied - New Secure Additions	2,800.00 sf	-	-	-	-	4.75	13,300		13,300

CONSTRUCTION COSTS (CONT.)—FMS

SECTION 5: FINANCIAL ANALYSIS

Group	Phase	Description	Takeoff Quantity	Labor Cost/Unit	Labor Amount	Material Cost/Unit	Material Amount	Sub Cost/Unit	Sub Amount	Sub Name	Total Amount		
7430		Sandwich Wall Panel											
		Remove Existing Gym Windows, Safety Cages & Blinds	24.00 ea	-	-	-	500.00	12,000		12,000		12,000	
		Prep Openings for Kallwall Units	24.00 ea	-	-	-	50.00	1,200		1,200		1,200	
		Furnish & Install (24) new FC Sandwich Wall Panels at GYM	600.00 sf	-	-	-	20.00	12,000		12,000		12,000	
		Remove Existing Gym Windows, Safety Cages & Blinds	24.00 ea	-	-	-	500.00	12,000		12,000		12,000	
		Prep openings for new Kallwall Units	24.00 ea	-	-	-	50.00	1,200		1,200		1,200	
		Furnish & Install (24) new Kallwall Panels at Gym	600.00 sf	-	-	-	30.00	18,000		18,000		18,000	
		Caulk new Kallwall units	24.00 ea	-	-	-	50.00	1,200		1,200		1,200	
		Support Labor for new Kallwall units	2.00 wk	-	2,400.00	4,800	-	-	-	-	-	-	4,800
		7440		Canopy Ceiling									
		ATAS Panels at Underside of Canopy	700.00 sf	-	-	-	40.00	28,000			28,000		
7500		Membrane Roofing											
		EPDM Roofing - New Secure Add & removals or tile-ins	1,364.00 sf	-	-	-	17.00	23,188			23,188		
		Patch EPDM Roofing - Area B Clerestory window Infill & removals or tile-ins	500.00 sf	-	-	-	17.00	8,500			8,500		
		Patch Existing EPDM Roofing at Mech Units - New Secure Add & Renos.	100.00 sf	-	-	-	15.00	1,500			1,500		
		Patch Existing EPDM Roofing at Mech Units - Area B Renos.	100.00 sf	-	-	-	15.00	1,500			1,500		
		Asbestos removal allowance at existing EPDM Roofing - New Secure Add & Renos.	1.00 ls	-	-	-	10,000.00	10,000			10,000		
		Asbestos removal allowance at existing EPDM Roofing - B Area Renos.	1.00 ls	-	-	-	5,000.00	5,000			5,000		
7810		Spray on Fireproofing											
		Spray on Fireproofing	sf	-	-	-	-	-	-	EXCLUDED	-		
7840		Firestopping											
		Firestopping Sub - New Secure Add & Reno. (5,143 sf)	1.00 ls	-	-	-	2,600.00	2,600			2,600		
7900		Caulking & Sealants											
		Caulking - New Security Add & Reno	5,143.00 sf	-	-	-	1.25	6,429			6,429		
		Caulking - Area A Reno	10,100.00 sf	-	-	-	1.25	12,625			12,625		
		Caulking - Area B Reno	9,195.00 sf	-	-	-	1.25	11,494			11,494		
		Caulking - Area D Gym Reno.	5,668.00 sf	-	-	-	1.25	7,085			7,085		
		Caulking - Science Lab Renos.	5,668.00 sf	-	-	-	1.25	7,085			7,085		
8000		DOORS & WINDOWS											
8100		Temporary HM Doors/Frame											
		Temporary Doors, Frames & Hardware - New Secure Add & Renos.	1.00 ls	-	-	-	1,500.00	1,500			1,500		
		Temporary Doors, Frames & Hardware - Area A Renos.	1.00 ls	-	-	-	4,500.00	4,500			4,500		
		Temporary Doors, Frames & Hardware - Area B Renos.	1.00 ls	-	-	-	3,000.00	3,000			3,000		
8110		Doors, Frames & Hardware											
		Classroom Doors - Area B Reno	14.00 leaf	-	-	-	1,200.00	16,800			16,800		
		Corridor Door Leafs - Area B Reno	4.00 leaf	-	-	-	1,600.00	6,400			6,400		
		Ext Door Leafs - Area B Reno	2.00 leaf	-	-	-	1,800.00	3,600			3,600		
		Storage/Land/Mech Door Leafs - Area B Renos	4.00 leaf	-	-	-	1,300.00	5,200			5,200		
		Office Doors - New Secure Add. & Renos.	12.00 leaf	-	-	-	1,200.00	14,400			14,400		
		Toilet Room Doors - New Secure Add & Reno	1.00 leaf	-	-	-	1,100.00	1,100			1,100		
		Closet Doors - New Secure Add & Reno.	2.00 ea	-	-	-	1,100.00	2,200			2,200		
		Office Doors - Area A Reno	6.00 leaf	-	-	-	1,200.00	7,200			7,200		
		Storage/Land/Mech Doors - New Secure Add & Reno	1.00 leaf	-	-	-	1,300.00	1,300			1,300		
		Fire Rated Doors	4.00 leaf	-	-	-	2,200.00	8,800			8,800		
8130		HM Borrowed Lite Frames											
		HM Borrowed Lite Frame 4'x4' - No Glass - New Secure Add & Reno	10.00 ea	-	-	-	350.00	3,500			3,500		
		HM Borrowed Lite Frame 4'x4' - No Glass - Area B Reno.	10.00 ea	-	-	-	350.00	3,500			3,500		
8180		Access Control Hardware											
		Access Control Hardware - New Secure Add. & Reno (4 openings)	1.00 ls	-	-	-	6,000.00	6,000		Allowance	6,000		
8415		Automatic Door Operators											

CONSTRUCTION COSTS (CONT.)—FMS

SECTION 5: FINANCIAL ANALYSIS

Group	Phase	Description	Takeoff Quantity	Labor Cost/Unit	Labor Amount	Material Cost/Unit	Material Amount	Sub Cost/Unit	Sub Amount	Sub Name	Total Amount
	8415	Automatic Door Operators	3.00 each	-	-	-	-	2,500.00	7,500		7,500
	8430	Storefronts	4.00 ea	-	-	-	-	4,500.00	18,000		18,000
		Single Alum. Entrance Doors - New Secure Add & Reno (Non-BR)	2.00 pr	-	-	-	-	9,000.00	18,000		18,000
		Pair Alum. Entrance Doors - New Secure Additions & Reno (Non-BR)	200.00 sf	-	-	-	-	55.00	11,000		11,000
		Sliding Aluminum Framed Nana Wall - Area B Renos. (Non-BR)	225.00 sf	-	-	-	-	45.00	10,125		10,125
	8500	Ext. Windows									
		Aluminum Clad Casement Windows - NEW Secure Additions									
	8560	Secure Vestibule	1.00 each	-	-	-	-	5,000.00	5,000		5,000
		Service Window, transaction tray, speak hole(s), BR Glass New Secure	1.00 ls	-	-	-	-	25,000.00	25,000		25,000
		Secure Vestibule - BR Glass & Barrier Allowance	250.00 sf	-	-	-	-	0.30	75		75
		Clean Glass - Secure Vestibule	1.00 ls	-	-	-	-				
	8625	Skylight Structures	1.00 ls	-	-	-	-	5,000.00	5,000		5,000
		Demo & Dispose Skylight Structure - Area B Reno.	1.00 ls	-	-	-	-	4,500.00	4,500		4,500
		Infill Roof structure at Skylight - Area B Reno	1.00 ls	-	-	-	-	3,500.00	3,500		3,500
		Renoof & Flash at Skylight location - Area B Reno	250.00 sf	-	-	-	-				
	8800	Glass & Glazing (Non BR)	60.00 sf	-	-	-	-	0.30	18		18
		Glass & Glazing - New Secure Add & Renos (BL=10)	340.00 sf	-	-	-	-				
		Glass & Glazing - Area A Renos	250.00 sf	-	-	-	-				
		Glass & Glazing - Area A Renos	60.00 sf	-	-	-	-				
		Clean Glass - New Secure Add. & Renos	340.00 sf	-	-	-	-				
		Clean Glass - Area A Renos	60.00 sf	-	-	-	-				
		Clean Glass - Area B Renos	340.00 sf	-	-	-	-				
	8900	Louvers	1.00 ls	-	-	-	-	2,500.00	2,500		2,500
		Louvers - New Secure Add. & Renos.									
	9000	FINISHES									
	9250	Gypsum Drywall	9,636.00 sf	-	-	-	-	10.00	96,360		96,360
		Interior Gyp above CMU to Deck (4'-0") - New Secure Add. & Reno.	3.00 wks	2,400.00	7,200	-	-	0.00	0		7,200
		Support Labor - New Additions	6.00 ld	-	-	-	-	600.00	3,600		3,600
	9252	Gyp Ext Wall Assemblies	1,800.00 sf	-	-	-	-	5.50	9,900		9,900
		6" 20 ga. M.S. w/ 5/8" Gyp & 5/8" Dens Glass <=14' - Area B Clerestory									
	9255	Gyp. Int. Wall Assemblies	6,100.00 sf	-	-	-	-	5.00	30,500		30,500
		3-5/8" 20 ga. M.S. 5/8" Gyp. B.S. w/ Acou. Insult to 16'-Area A Reno	8,200.00 sf	-	-	-	-	5.00	41,000		41,000
		3-5/8" 20 ga. M.S. 5/8" Gyp. B.S. w/ Acou. Insult to 16'-Area B Reno									
	9270	Drywall Ceilings/ Soffits	1.00 ls	-	-	-	-	10,000.00	10,000		10,000
		Drywall Soffit ALLOWANCE - New Secure Add & Reno	1.00 ls	-	-	-	-	15,000.00	15,000		15,000
	9340	Porcelain Tile	750.00 sf	-	-	-	-	16.00	12,000		12,000
		Porcelain Wall Tile - New Secure Add & Reno	1,200.00 sf	-	-	-	-	16.00	19,200	Allowance	19,200
		Porcelain Wall Tile - Area A Locker Reno Allowance	1,274.00 sf	-	-	-	-	12.00	15,288		15,288
		Porcelain Tile Floor - New Secure Add & Reno	1,274.00 sf	-	-	-	-	3.00	3,822		3,822
		Crack Suppression - Floor - New Secure Add & Reno	236.00 Init	-	-	-	-	15.00	3,540		3,540
	9500	Acoustical Ceilings	4,800.00 sf	-	-	-	-	3.50	16,800		16,800
		2x2 ACT - New Secure ADD & Reno.	10,100.00 sf	-	-	-	-	3.50	35,350		35,350
		2x2 ACT - Area A Reno	7,000.00 sf	-	-	-	-	3.50	24,500		24,500
	9510	Acoustic Wall Panels									

CONSTRUCTION COSTS (CONT.)—FMS

SECTION 5: FINANCIAL ANALYSIS

Group	Phase	Description	Takeoff Quantity	Labor Cost/Unit	Labor Amount	Material Cost/Unit	Material Amount	Sub Cost/Unit	Sub Amount	Sub Name	Total Amount	
9510	9510	Acoustic Wall Panels	800.00 sf	-	-	-	-	14.00	11,200		11,200	
		2" Acoustic Wall Panels In Gym	800.00 sf	0.00	0	-	-	0.50	400		400	
		Patch Finishes - Gym Wall Panels										
		Flooring	4,500.00 sf	-	-	-	-	4.50	20,250		20,250	
		Moisture Mitigation - New Secure Add & Reno	10,100.00 sf	-	-	-	-	4.50	45,450		45,450	
		Moisture Mitigation - Area A Renos	1,200.00 sf	-	-	-	-	0.50	600		600	
		Protect Flooring - New Secure Add & Reno	10,100.00 sf	-	-	-	-	0.50	5,050		5,050	
		Protect Flooring - Area A Reno	9,500.00 sf	-	-	-	-	0.50	4,750		4,750	
		Protect Flooring - Area B Reno	5,586.00 sf	-	-	-	-	0.50	2,793		2,793	
		Protect Flooring - Area D Reno	5,586.00 sf	-	-	-	-	0.50	2,793		2,793	
9642	9642	Wood Athletic Flooring	5,586.00 sf	-	-	-	-	13.50	75,411		75,411	
		Remove / Replace Gym Wood Floor, Gamelines	3.00 wk	2,400.00	7,200	-	-	-	-	-	-	7,200
		Support Labor - Gym Floor	5,586.00 sf	-	-	-	-	0.50	2,793		2,793	
		Patch Finishes - Gym Floor	1.00 ls	-	-	-	-	5,000.00	5,000	Allowance	5,000	
		Replace School Logo at Gym Wood Floor										
		Resilient Floors & Base	1,200.00 sf	-	-	-	-	2.50	3,000		3,000	
		VCT Flooring - New ADD & Reno (incl. partial existing corridor)	10,100.00 sf	-	-	-	-	2.50	25,250		25,250	
		VCT Flooring - Area A Reno	9,500.00 sf	-	-	-	-	2.50	23,750		23,750	
		VCT Flooring - Area B Reno	10,100.00 sf	-	-	-	-	2.50	25,250		25,250	
		Floor Prep - New Secure Add & Reno	10,100.00 sf	-	-	-	-	0.50	5,050		5,050	
9685	9685	Carpet Tile	941.00 lnft	-	-	-	-	2.00	1,882		1,882	
		Rubber Base - New Secure Add & Reno	1,500.00 lnft	-	-	-	-	2.00	3,000		3,000	
		Rubber Base - Area A Reno	1,200.00 lnft	-	-	-	-	2.00	2,400		2,400	
		Rubber Base - Area B Reno	254.00 sqyd	-	-	-	-	40.00	10,160		10,160	
		Painting	1.00 ls	-	-	-	-	15,000.00	15,000		15,000	
		Touch-Up Allowances - New Secure Addition & Reno	1.00 ls	-	-	-	-	7,500.00	7,500		7,500	
		Touch-Up Allowances - Area A Renos	1.00 ls	-	-	-	-	4,500.00	4,500		4,500	
		Touch-Up Allowances - Area B Renos	1.00 ls	-	-	-	-	3,000.00	3,000		3,000	
		Touch-Up Allowances - Science Rm Renos	5,700.00 sf	-	-	-	-	1.00	5,700		5,700	
		Painting - Gym Ceiling (Tectum)	9,700.00 sf	-	-	-	-	0.65	6,305		6,305	
9900	9900	Paint CMU (Prime / Filler + 2 Finish) - New Secure Add & Reno (incl. Partial Corr.)	12,600.00 sf	-	-	-	-	0.45	5,670		5,670	
		Paint GWB (Prime + 2 Finish) - Latex - Area A Reno	8,700.00 sf	-	-	-	-	0.45	3,915		3,915	
		Paint GWB (Prime + 2 Finish) - Latex - Area B Renos	6,000.00 sf	-	-	-	-	0.75	4,500		4,500	
		Paint Gym Walls CMU (Prime / Filler + 2 Finish) - Epoxy 20'										
		Support Labor for Paint Gym Walls CMU (Prime / Filler + 2 Finish) - Epoxy 20'	1.00 wk	2,400.00	2,400	-	-	-	-	-	-	2,400
		Paint Ceiling - New Secure Additions	16.00 ea	-	-	-	-	100.00	1,600		1,600	
		Paint Ceiling - New Secure Additions	6.00 ea	-	-	-	-	100.00	600		600	
		Paint Ceiling - New Secure Additions	24.00 ea	-	-	-	-	100.00	2,400		2,400	
		Paint Borrowed Lite Frame - New Secure Add & Reno	10.00 ea	-	-	-	-	40.00	400		400	
		Paint Borrowed Lite Frame - Area B Renos	10.00 ea	-	-	-	-	40.00	400		400	
10000	10000	SPECIALTIES										
		Visual Display Boards	2.00 ea	-	-	-	-	500.00	1,000		1,000	
		MB - 10X5' for projection New Secure Add & Reno	3.00 ea	-	-	-	-	7,500.00	22,500		22,500	
		Interactive Teaching Wall - Area A Renos	5.00 ea	-	-	-	-	500.00	2,500		2,500	
		MB - 10X5' for projection - Area A Reno	5.00 ea	-	-	-	-	500.00	2,500		2,500	
		MB - 10X5' for projection - Area B Reno	5.00 ea	-	-	-	-	500.00	2,500		2,500	
		Interactive Teaching Wall - Area B Renos	4.00 ea	-	-	-	-	7,500.00	30,000		30,000	
		Interactive Teaching Wall - New Secure Add. & Reno	1.00 ea	-	-	-	-	7,500.00	7,500		7,500	
		Toilet Partitions	7.00 ea	-	-	-	-	350.00	2,450		2,450	
		Toilet Stall Doors (Reg) - New Secure ADD & Reno	2.00 ea	-	-	-	-	450.00	900		900	
10100	10100	Signs										

CONSTRUCTION COSTS (CONT.)—FMS

SECTION 5: FINANCIAL ANALYSIS

Group	Phase	Description	Takeoff Quantity	Labor Cost/Unit	Labor Amount	Material Cost/Unit	Material Amount	Sub Cost/Unit	Sub Amount	Sub Name	Total Amount
	10400	Signs Signs - New Secure Add & Reno. Signs - Area A Renos. Signs - Area B Reno	20.00 ea 12.00 ea 26.00 ea	-	-	-	-	100.00 100.00 100.00	2,000 1,200 2,600		2,000 1,200 2,600
	10500	Lockers New Double Tier 15x15 Lockers w/bases & Sloped Tops - Area A Renos. Remove existing lockers & bases Patch Locker alcoves	400.00 each 1.00 ls 3.00 ea	-	-	-	-	450.00 10,000.00 1,000.00	180,000 10,000 3,000		180,000 10,000 3,000
	10520	Firefighting Dev Fire Extinguisher - New Secure Add & Renos Fire Extinguisher - Area A Renos. Fire Extinguisher - Area B Renos.	2.00 ea 3.00 ea 5.00 ea	-	-	-	-	300.00 300.00 300.00	600 900 1,500		600 900 1,500
	10800	Toilet Accessories 18" Grab Bars - New Secure Add & Reno 36" Grab Bars - New Secure Add & Reno 42" Grab Bars - New Secure Add & Reno Surface Mntd Single Roll TP Dispenser - New Secure Add & Reno OFCI Surface Mntd Lever Op Roll PT Dispenser - New Secure Add & Reno OFCI Surface Mounted Soap Dispenser - New Secure Add & Reno OFCI	3.00 ea 3.00 ea 3.00 ea 10.00 ea 3.00 ea 5.00 ea	20.00 20.00 20.00 15.00 25.00 20.00	60 60 60 150 75 100	30.00 40.00 50.00 -	90 120 150 -	- - - - - -	- - - - - -		150 180 210 150 75 100
	10826	Bathroom Mirrors 2x4 SS Frame Bathroom Mirrors - New Secure Add & Reno.	7.00 ea	25.00	175	200.00	1,400	-	-		1,575
11000		EQUIPMENT									
	11200	Misc. Equipment OT/PT Swing Support - Area B Reno Reconfigure Woodworking Space - Area B Renos Art Room Relocate Klt/h - Area B Reno	1.00 ls 1.00 ls 1.00 ls	-	-	-	-	2,500.00 10,000.00 5,000.00	2,500 10,000 5,000	Allowance	2,500 10,000 5,000
	11490	Athletic Equipment Remove Existing Folding partition Roll-Down Gym Divider Curtain (50 lf x 20 hi)	1,000.00 sf 1,000.00 sf	-	-	-	-	8.50 17.00	8,500 17,000		8,500 17,000
12000		FURNISHINGS									
	12020	Blinds & Shades Ext. Window Blinds & Shades - New Secure Additions	7.00 ea	-	-	-	-	300.00	2,100		2,100
	12670	Entrance Mats Entrance Mats - New Secure Add. & Reno.	100.00 sf	-	-	-	-	25.00	2,500		2,500
	12700	Gym Bleachers Remove & Dispose existing Telescoping Bleachers Furnish & Install new Telescoping Bleachers - Hussey Maxam Patch Finishes at new Telescoping Bleachers	800.00 sf 800.00 sf 800.00 sf	-	-	-	-	8.00 61.33 5.00	6,400 49,067 4,000		6,400 49,067 4,000
13000		SPECIAL CONST									
	13200	Asst. Principal Space Add Asst. Principal Space	250.00 sf	-	-	-	-	300.00	75,000		75,000
210000		FIRE SUPPRESSION									
	211300	Fire Suppression Sprinkler Systems Sprinkler Systems Wet - New Secure Add. & Reno (incl FP demo.) Sprinkler Systems Wet - Area A Reno's Sprinkler Systems Wet - Area B Renos Patch Finishes Rework Sprinkler System Layout - New Secure Renos. Patch Finishes Rework Sprinkler System Layout - Area A Renos	4,529.00 sf 10,100.00 sf 9,195.00 sf 3,779.00 sf 6,042.00 sf	-	-	-	-	4.05 1.50 1.50 1.00 1.00	18,352 15,149 13,793 3,779 6,042		18,352 15,149 13,793 3,779 6,042

CONSTRUCTION COSTS (CONT.)—FMS

SECTION 5: FINANCIAL ANALYSIS

Spreadsheet Report Nashua Fairgrounds MS

Harvey Construction

Group	Phase	Description	Takeoff Quantity	Labor Cost/Unit	Labor Amount	Material Cost/Unit	Material Amount	Sub Cost/Unit	Sub Amount	Sub Name	Total Amount	
220000	211300	Fire-Suppression Sprinkler Systems Patch Finishes Rework Sprinkler System Layout - Area B Renos	4,607.00 sf	-	-	-	-	1.00	4,607		4,607	
	220100	PLUMBING Plumbing Subcontract - New Secure Add & Reno. (Excl. Canopy GSF)	4,529.00 sf	-	-	-	-	15.19	68,800		68,800	
		Plumbing Subcontract - Area A Reno (Demo Sinks)	1.00 ls	-	-	-	-	1,200.00	1,200		1,200	
		Plumbing Subcontract - Area B Renos	9,195.00 sf	-	-	-	-	7.56	69,550		69,550	
		Plumbing - Science Lab Renos. - Assumes connections to existing Underground stubs	6,484.00 sf	-	-	-	-	4.74	30,720		30,720	
		Install (6 ea.) Gas Line Shutoffs at Cooking Lab	1.00 ls	-	-	-	-	12,000.00	12,000		12,000	
		Patch Finishes for Gas Line Shutoffs at Cooking Lab	1.00 ls	-	-	-	-	500.00	500		500	
		Support Labor for Gas Line Shutoffs at Cooking Lab	1.00 wk	-	2,400.00	-	-	-	-	-	-	2,400
		Plumbing Demo - Existing Boiler Room	1.00 ls	-	-	-	-	25,000.00	25,000		25,000	
		Plumbing - New Gas WH & Storage Tank - Boiler Rm.	1.00 ls	-	-	-	-	25,000.00	25,000		25,000	
	Plumbing - New Mixing Valve & Recirc pumps - Boiler Rm.	1.00 ls	-	-	-	-	30,500.00	30,500		30,500		
230000		HVAC										
	230100	HVAC HVAC Sub - New Secure Add. & Reno. (Excludes Canopy GSF)	4,529.00 sf	-	-	-	-	39.20	177,519		177,519	
		HVAC Sub - Area A Reno's. (Modify Ducts & RGD's at Collab. & Teamwork areas - Excl. remote corridors)	6,100.00 sf	-	-	-	-	11.81	72,025		72,025	
		Temp Electrical / HVAC / Plumbing Hook-Ups	1.00 ls	-	-	-	-	15,000.00	15,000	Allowance	15,000	
		HVAC Subcontract - Area B Reno's.	4,600.00 sf	-	-	-	-	35.59	163,700		163,700	
		Reconfigure Dust Collection - Wood shop Area B Reno's.	1.00 ls	-	-	-	-	7,500.00	7,500	Allowance	7,500	
	230150	Equipment Temporary Heat - New Secure Add & Renos	4.00 mnth	4,000.00	16,000	10,000.00	40,000	-	-	-	-	56,000
	260000		ELECTRICAL									
		260100	Electrical Electrical Subcontract - New Secure Add. & Reno. Electrical Subcontract - Area A Renos.	4,529.00 sf 10,100.00 sf	-	-	-	-	25.37 22.75	114,920 229,729		114,920 229,729
			Electrical Subcontract - Area D Gym Renos.	5,668.00 sf	-	-	-	-	15.73	89,135		89,135
		Electrical Sub - Area B Reno's	9,195.00 sf	-	-	-	-	23.94	220,145		220,145	
		Electrical Sub support as required - Science Lab Renos	6.00 ea	-	-	-	-	5,000.00	30,000		30,000	
		Electrical Subcontract - Delete Area D Gym Renos. (Leave Elect. support work for bleachers & curtain)	-1.00 ls	-	-	-	-	80,000.00	(80,000)		(80,000)	
260150		Gear & Distribution New Elect. Distribution (Panels & Feeders) E&B for New Elect. Distribution (Panels & Feeders)	1.00 ls 1.00 ls	-	-	-	-	250,000.00 10,000.00	250,000 10,000		250,000 10,000	
		Cut & Patch finishes for New Elect. Distribution (Panels & Feeders)	100,000.00 sf	-	-	-	-	0.50	50,000		50,000	
		Support Labor for New Elect. Distribution (Panels & Feeders)	8.00 wk	2,400.00	19,200	-	-	-	-	-	-	19,200
260160		Equipment Wiring New Boiler Room Equipment Wiring	1.00 ls	-	-	-	-	5,500.00	5,500		5,500	
260180	Fire Alarm Upgrade New Fully Addressable Fire Alarm system at Balance of School	1.00 ls	-	-	-	-	125,000.00	125,000		125,000		
	Cut & Patch finishes for New Fully Addressable Fire Alarm system at Balance of School	100,000.00 sf	-	-	-	-	0.50	50,000		50,000		
	Support Labor for New Fully Addressable Fire Alarm system at Balance of School	8.00 wk	2,400.00	19,200	-	-	-	-	-	-	19,200	
260300	Utility Work Eversource Utility Company Backcharges	0.00 ls	-	-	-	-	-	-	-	Excluded	0	
265600	Site Lighting Site Lighting	1.00 ls	-	-	-	-	-	60,000.00	60,000	Allowance	60,000	
270000	COMMUNICATIONS											

CONSTRUCTION COSTS (CONT.)—FMS

SECTION 5: FINANCIAL ANALYSIS

Group	Phase	Description	Takeoff Quantity	Labor Cost/Unit	Labor Amount	Material Cost/Unit	Material Amount	Sub Cost/Unit	Sub Amount	Sub Name	Total Amount
270100		Data Infrastructure Upgrades	1.00 ls	-	-	-	-	12,000.00	12,000	Allowance	12,000
		Cut & Patch finishes for Data Infrastructure Upgrades at Balance of School	100,000.00 sf	-	-	-	-	0.15	15,000		15,000
		Support Labor for Data Infrastructure Upgrades at Balance of School	2.00 wk	2,400.00	4,800	-	-	-	-	-	-
280050		Secure Vestibule									
		Secure Vestibule									
		AI Phone at Outside Door New Secure Add & Reno	1.00 ls	-	-	-	-	5,000.00	5,000		5,000
	Secure Vestibule Electronic Door Control Hardware Allowance	1.00 ls	-	-	-	-	5,000.00	5,000		5,000	
	Security System Upgrade - Balance of School	1.00 ls	-	-	-	-	80,000.00	80,000		80,000	
	Cut & Patch Finishes for Security System Upgrade - Balance of School	100,000.00 sf	-	-	-	-	0.25	25,000		25,000	
	Support Labor for Security System Upgrade - Balance of School	6.00 wk	2,400.00	14,400	-	-	-	-	-	-	14,400
310000		EARTHWORK									
		Earthwork									
	310100	General Site Prep / Demo	1.00 ls	-	-	-	-	50,000.00	50,000		50,000
		Roadway, Existing Parking & New Parking Lot	64,000.00 sf	-	-	-	-	6.25	400,000		400,000
		Building Earthwork - New Additions	1,364.00 sf	-	-	-	-	5.00	6,820		6,820
		Upgrade Gravel Fire Lane	14,000.00 sf	-	-	-	-	4.00	56,000		56,000
		Mobilize	1.00 ls	-	-	-	-	3,500.00	3,500		3,500
		Site Supervisor	45.00 wk	-	-	-	-	3,500.00	157,500		157,500
		Stabilized Construction Entrance	1.00 ls	-	-	-	-	2,500.00	2,500		2,500
		Locate Existing Utilities	1.00 ls	-	-	-	-	2,500.00	2,500		2,500
		Construction Baracades	1.00 ls	-	-	-	-	1,000.00	1,000		1,000
	311000	Site Clearing									
		Site Clearing Light	2.30 acre	-	-	-	-	3,000.00	6,900		6,900
		Site Clearing Medium	0.25 acre	-	-	-	-	1,125	4,500.00		4,500
		Remove Medium Tree	5.00 ea	-	-	-	-	500.00	2,500		2,500
311400	Stripping and Stockpiling										
	Strip & Remove Loam from Site	200.00 cy	-	-	-	-	10.00	2,000		2,000	
311450	Site Demolition										
	Remove Asphalt	8,200.00 sy	-	-	-	-	4.50	36,900		36,900	
	Sawcut Asphalt	200.00 lf	-	-	-	-	3.50	700		700	
312200	Grading										
	Rough Grading at New Entrance from Cleveland St.	200.00 cy	-	-	-	-	25.00	5,000		5,000	
	Rough Grading at Fire Lane & Cleveland St.	500.00 cy	-	-	-	-	25.00	12,500		12,500	
	Cut & Remove From Site	1,200.00 cy	-	-	-	-	12.00	14,400		14,400	
312300	Excavation and Backfill										
	Foundation Excavation and Backfill	140.00 lf	-	-	-	-	15.00	2,100		2,100	
	Isolated Footing Excavation & Backfill	13.00 ea	-	-	-	-	250.00	3,250		3,250	
	Underslab Utilities Excavation & Backfill	300.00 lf	-	-	-	-	10.00	3,000		3,000	
	Under Pavement Bankrun Gravel	580.00 cy	-	-	-	-	30.00	17,400		17,400	
	Underpavement Crushed Gravel	290.00 cy	-	-	-	-	36.00	10,440		10,440	
312375	Underpavement Gravels										
	Fine Grade	10,332.00 sf	-	-	-	-	0.15	1,550		1,550	
320000		EXTERIOR IMPROVEMENTS									
		Paving									
	321200	Asphalt Paving	260.00 tons	-	-	-	-	90.00	23,400		23,400
	321500	Curbs									
		Sloped Granite Curb -	2,600.00 lf	-	-	-	-	24.50	63,700		63,700
		Vertical Granite Curb Straight	300.00 lf	-	-	-	-	18.00	5,400		5,400
		Vertical Granite Curb-Radiused <5'	125.00 lf	-	-	-	-	32.00	4,000		4,000
	321600	Sidewalks									
		Asphalt Sidewalks (14-in.)	83.00 sy	-	-	-	-	20.00	1,660		1,660
		Concrete Sidewalks	14,200.00 sqft	-	-	-	-	10.00	142,000		142,000

CONSTRUCTION COSTS (CONT.)—FMS

SECTION 5: FINANCIAL ANALYSIS

Group	Phase	Description	Takeoff Quantity	Labor Cost/Unit	Labor Amount	Material Cost/Unit	Material Amount	Sub Cost/Unit	Sub Amount	Sub Name	Total Amount
321700		Pavement Marking & Specialties									
		Add Striped Shoulder at Cleveland St.	1.00 ls	-	-	-	-	4,000.00	4,000		4,000
323100		Fences and Gates									
		Temp. Chain Link Fence	850.00 Init	-	-	-	-	9.00	7,650		7,650
		Temp. Gates	3.00 ea	-	-	-	-	500.00	1,500		1,500
323125		Site Structures									
		Metal Benches at Main Entry Courtyard	1.00 ls	-	-	-	-	5,000.00	5,000	Allowance	5,000
323150		Site Signs									
		Site Signs	10.00 ea	-	-	-	-	150.00	1,500		1,500
		Add School Zone Signage at Cleveland St.	1.00 ls	-	-	-	-	15,000.00	15,000		15,000
328000		Irrigation									
		Irrigation Subcontract (Lawns & Plantings)	25,000.00 sf	-	-	-	-	1.25	31,250	Allowance	31,250
329000		Landscaping									
		Hydro Seed	20,000.00 sf	-	-	-	-	0.13	2,600		2,600
		Landscaping Allowance	1.00 ls	-	-	-	-	30,000.00	30,000	Allowance	30,000
		Landscaping Subcontract	1.00 ls	-	-	-	-	1,500.00	1,500		1,500
		Hydro-Seeding	5,300.00 sf	-	-	-	-	0.07	371		371
330000		UTILITIES									
333000		Sanitary Sewer Utilities									
		Connect to San. Sewer Piping - New Secure Add. & Renos	50.00 Init	-	-	-	-	50.00	2,500		2,500
334000		Storm Drainage Utilities									
		Storm Drain System - Allowance	1.00 ls	-	-	-	-	125,000.00	125,000		125,000
		Storm Drainage Allowance	1.00 ls	-	-	-	-	20,500.00	20,500		20,500
335000		LP & Natural Gas									
337000		Gas Co. Backcharges - Liberty Utilities	ls	-	-	-	-	-	-	EXCLUDED	-
		Electrical Utilities									
		Site Lighting Allowance	1.00 ls	-	-	-	-	30,000.00	30,000		30,000

Estimate Totals

Description	Amount	Totals	Hours	Rate	Cost Basis/cost per Unit	Percent of Total
Labor	673,350		##### hrs		17,778 /sf	7.86%
Material	126,867				3,350 /sf	1.48%
Subcontract	6,497,894				171,562 /sf	75.84%
Equipment			160,000 hrs			
Other	7,298,111	7,298,111			192,689 /sf	85.18
Performance & Payment Bond	60,405				1,507 /sf	0.71%
Builders Risk Insurance	10,700			1,250 \$ / ##### T	0,283 /sf	0.12%
General Liability & Umbrella P	50,544			0,605 % T	1,572 /sf	0.68%
CM Fee %	140,000			1,750 % T	3,050 /sf	1.75%
Pre Construction Services	15,158			0,200 % T	0,400 /sf	0.18%
Software Licenses	11,035			0,129 % T	0,291 /sf	0.13%
CM Contingency %	228,150			3,000 % T	6,024 /sf	2.66%
Design Contingency %	391,657			5,000 % T	10,341 /sf	4.57%
Escalation 4% 2020 Start	342,700			4,000 % T	9,048 /sf	4.00%
Total	8,567,490	8,567,490			226,204 /sf	

.....

CONSTRUCTION COSTS (CONT.)—FMS
SECTION 5: FINANCIAL ANALYSIS

CONSTRUCTION COSTS (CONT.)—PMS

SECTION 5: FINANCIAL ANALYSIS

Pennichuck MS Budget Summary 10-8-19

BASE SCOPE			COST PER UNIT		
General Conditions (14 months)			\$49,900.00 / month	\$	698,291.00
Site			\$11.89 / SF	\$	2,383,475.00
New Classroom Additions			\$292.00 / SF	\$	8,574,925.00
New Library Addition & Renovations			\$315.00 / SF	\$	3,044,777.00
New Boiler / Electric Rm Addition & Renovations			\$940.00 / SF	\$	1,226,071.00
Café Renovations			\$110.00 / SF	\$	698,941.00
Subtotal Additions & Renos. - Base Scope (Includes Add-ons)				\$	16,626,480.00
PRICING OPTIONS					
Add 6-months to General Conditions if Gym Swing Space cannot be used			\$46,000.00 / month	\$	-
Replace Folding Partitions			\$18,247.00 / ea.	\$	54,741.00
ADD PERFORMANCE STAGE			1 / LS	\$	408,839.00
Replace Science Casework			\$103,400.00 / lab	\$	620,319.00
Replace Lockers			\$397.00 / ea.	\$	238,295.00
ADD SolaTubes			\$4,962.00 / ea.	\$	148,864.00
Remove & Replace Gym Floor and Divider Curtain			\$21.50 / sf	\$	144,963.00
Remove & Replace Gym Bleachers			\$87.00 / sf	\$	65,122.00
Add Acoustic Wall Panels in Gym			\$17.00 / sf	\$	23,713.00
Bldg Upgrades (Includes: Egress Light Battery packs, Fire Alarm; P.A. System; Intercom System; Electronic Door Security; Security Cameras.			\$8.60 / sf	\$	724,997.00
Emergency Eyewash - 8 each			\$2,300.00 / ea	\$	18,398.00
Subtotal Pricing Options (Includes Add-ons)				\$	2,448,251.00
TOTAL - Base Scope + Pricing Options				\$	19,074,731.00
HVAC ALTERNATE					
ALT. 1 - Add Air Conditioning at New Classrooms (26,000 sf)			\$7.27 / sf	\$	213,647.00
HVAC ALLOWANCE					
Add Air Conditioning at Balance of Existing School (84,000 sf)			\$64.00 / sf	\$	5,417,413.00
Total HVAC Extras				\$	5,631,060.00
					Not Included in Above Base Scope Amount

G:\Jobs Bidding\Nashua Middle Schools\Pennichuck Elementary School\1 - Conceptual Design\Budgets\Pennichuck MS Oct. 2019 Budgets\Pennichuck MS Budget Summary 10-8-19

CONSTRUCTION COSTS (CONT.)—PMS

SECTION 5: FINANCIAL ANALYSIS

Nashua Middle Schools Pennichuck Middle School - Addition & Renovation Conceptual Estimate - Updated 10-7-19

Project name	Nashua Penichuck MS 207 Manchester, St. Nashua NH
Estimator	JEB
Labor rate table	NH
Job size	47897 sf
Duration	14 mnth
Bid date	10/7/2019 12:00 PM
Notes	<p>Schedule:</p> <ul style="list-style-type: none"> - We have DELETED swing space for (4) temporary classrooms that was to be located in the Gym for displaced Modular classroom students. Instead, we have carried an allowance to relocate the modulars away from the Future Library. The modulars will be relocated right after initial mobilization to allow for the construction of the New Library. This will allow for overall project completion within 14-months. <p>Add Alternate</p> <ul style="list-style-type: none"> - Add Air Conditioning at New Classroom Additions \$213,647.00 <p>Exclusions</p> <ul style="list-style-type: none"> - Removal of Asbestos or Lead Paint. - Testing By Owner - Building Permit Fee - By Owner - Temp Electric Usage - By Owner - Temp. Water Usage - By Owner - Waterproofing. - Underpinning - Spray Fireproofing - Science Lab Hoods - Fire Pump - Water Meter Fee - Gas Company Back charges - New Trenching or Plumbing in existing Science Labs (Assume existing plumbing is to be re-used)

Report format Sorted by 'Group phase/Phase'

CONSTRUCTION COSTS (CONT.)—PMS
SECTION 5: FINANCIAL ANALYSIS

Page 2
10/8/2019 4:06 PM

Spreadsheet Report
Nashua Penichuck MS

Harvey Construction

'Group phase' summary

CONSTRUCTION COSTS (CONT.)—PMS

SECTION 5: FINANCIAL ANALYSIS

Group	Phase	Description	Takeoff Quantity	Labor Cost/Unit	Labor Amount	Material Cost/Unit	Material Amount	Sub Cost/Unit	Sub Amount	Sub Name	Total Amount
1000		GENERAL CONDITIONS	20.00 mn	24,672.50	493,450	2,030.50	40,610	3,186.75	63,735		597,795
1950		GENERAL REQUIREMENTS	20.00 mn					645.00	12,900		12,900
2000		DEMOLITION	46,897.00 sf	0.51	24,000			7.91	370,940		394,940
3000		CONCRETE	46,897.00 sf	1.00	46,642	6.15	288,409	9.17	430,020		765,071
4000		MASONRY	46,897.00 sf	1.13	52,800			33.55	1,573,424		1,626,224
5000		METALS	46,897.00 sf	1.97	92,400			32.09	1,504,890		1,597,290
6000		Carpentry	46,897.00 sf	1.23	57,600			22.45	1,053,039		1,120,735
7000		THERMAL/MOISTURE	46,897.00 sf			0.22	10,096	18.21	854,052		971,652
8000		DOORS & WINDOWS	46,897.00 sf			0.20	9,450	9.66	452,910		462,360
9000		FINISHES	46,897.00 sf	1.02	48,000	0.45	21,000	21.95	1,029,431		1,098,431
10000		SPECIALTIES	46,897.00 sf	0.03	1,185	0.06	2,640	8.99	421,433		425,258
11000		EQUIPMENT	46,897.00 sf					0.43	20,000		20,000
12000		FURNISHINGS	46,897.00 sf					1.47	68,815		68,815
13000		SPECIAL CONST	46,897.00 sf						350,000		350,000
210000		FIRE SUPPRESSION	46,897.00 sf					3.80	178,221		178,221
220000		PLUMBING	46,897.00 sf					12.77	599,065		599,065
230000		HVAC	46,897.00 sf	0.43	20,000	1.07	50,000	42.82	2,007,876		2,077,876
260000		ELECTRICAL	46,897.00 sf			0.05	2,523	42.72	2,003,287		2,005,810
310000		EARTHWORK	200,500.00 sf					3.82	766,420		766,420
320000		EXTERIOR IMPROVEMENTS	46,897.00 sf					13.51	633,478		633,478
330000		UTILITIES	46,897.00 sf					11.88	557,215		557,215

Estimate Totals

Description	Amount	Totals	Hours	Rate	Cost Basis	Cost per Unit	Percent of Total
Labor	836,077		36,558.983 hrs			17,456 /sf	4.38%
Material	542,329					11,323 /sf	2.84%
Subcontract	#####					312,152 /sf	78.38%
Equipment			240,000 hrs				
Other	#####	16,329,555				340,931 /sf	85.61
Pre Construction Services %	32,659			0.200 %		0.682 /sf	0.17%
NH Performance & Payment Bond	121,962					2,546 /sf	0.64%
Builders Risk Insurance	23,843			1,250 \$ / 1,000		0,498 /sf	0.12%
General Liability & Umbrella P	132,569			0.695 %		2,768 /sf	0.70%
CM Fee %	291,210			1.750 %		6,080 /sf	1.53%
CM Contingency %	507,954			3.000 %		10,605 /sf	2.66%
Design Contingency %	871,988			5.000 %		18,205 /sf	4.57%
Escalation % beyond 2020?							
Escalation 4% 2020 Start	762,989			4.000 %		15,930 /sf	4.00%
Total		19,074,729				398,245 /sf	

CONSTRUCTION COSTS (CONT.)—PMS

SECTION 5: FINANCIAL ANALYSIS

Group	Phase	Description	Takeoff Quantity	Labor Cost/Unit	Labor Amount	Material Cost/Unit	Material Amount	Sub Cost/Unit	Sub Amount	Sub Name	Total Amount
1000		GENERAL CONDITIONS									
	1001	Project Dimensions									
		Site Square Footage	200,500.00 sf					0.00	0		0
		Base Scope Renovation Square Footage	11,225.00 sf					0.00	0		0
		New Additions Square Footage	29,400.00 sf								
		Library Addition Square Footage	5,672.00 sf								
		Boiler Rm Addition Square Footage	600.00 sf								
		Existing School - Renovation Square Footage	84,100.00 sf								
	1050	General Conditions (Add 6-months)						0.00	0		0
		General Conditions due to Extended Schedule (14 to 20 months) in Gym Swing space is not allowed									
	1100	Superintendent	60.00 wk	4,600.00	276,000						276,000
		Asst. Superintendent	0.00 wk	0.00	0						0
		General Superintendent	4.00 wk	5,000.00	20,000						20,000
	1140	Proj. Management									
		Project Executive	4.00 wk	5,000.00	20,000						20,000
		Senior Project Manager	30.00 wk	4,400.00	132,000						132,000
		Asst. Project Manager	12.00 wk	3,200.00	38,400						38,400
		Mechanical Coordinator	wk								
	1150	Project Accounting									
		Accounting	2.00 wk	2,600.00	5,200						5,200
	1210	Harvey's Field Office									
		Harvey's Field Office	14.00 mnth					425.00	5,950		5,950
		Office Trailer Set Up	1.00 ls					1,200.00	1,200		1,200
		Stairs to Trailer	14.00 mnth					35.00	490		490
		Bottled Water	14.00 mnth					35.00	490		490
		Temp. Phone Set Up	1.00 ls					200.00	200		200
		Temp Phone	14.00 mnth					150.00	2,100		2,100
		Cell Phone	14.00 mnth					150.00	2,100		2,100
		Temp. Toilet	42.00 mnth					80.00	3,360		3,360
		Office Supplies	14.00 mnth			100.00	1,400				1,400
		Fax/Copier	14.00 mnth					200.00	2,800		2,800
		Computer	14.00 mnth					150.00	2,100		2,100
		Hi-Speed Internet Connection	14.00 mnth					75.00	1,050		1,050
	1250	Communications									
		Communications - Radio's	14.00 mnth					200.00	2,800		2,800
	1260	Temp. Water									
		Temp. Water	0.00 mnth			0.00	0	0.00	0	By Owner	0
	1285	Pickup Truck									
		Pick Up Truck	60.00 wk			225.00	13,500				13,500
	1300	Permits									
		Building Permit Fee	1.00 ls							By Owner	
	1320	Safety									
		Safety Inspections (3.5 hrs. every other week)	105.00 hrs					125.00	13,125		13,125
		First Aid Kit Refills	14.00 mnth					50.00	700		700
	1330	Temp. Electric									
		Temp. Electric Usage	sf							By Owner	
	1335	Fire Protection									
		Fire Protection	1.00 ls			1,500.00	1,500				1,500
	1350	Snow Removal									
		Snow Removal	1.00 ls					5,000.00	5,000	Allowance	5,000
	1360	Small Tools									
		Small Tools	14.00 mnth			250.00	3,500				3,500
	1410	Job Cleanup									
		Job Cleanup - Base Scope	47,000.00 sf			0.03	1,410				1,410
		Final Clean Up - Base Scope	47,000.00 sf					0.40	18,800		18,800

CONSTRUCTION COSTS (CONT.)—PMS

SECTION 5: FINANCIAL ANALYSIS

Group	Phase	Description	Takeoff Quantity	Labor Cost/Unit	Labor Amount	Material Cost/Unit	Material Amount	Sub Cost/Unit	Sub Amount	Sub Name	Total Amount
	1430	Dumpsters	25.00 ld	-	-	600.00	15,000	-	-	-	15,000
	1510	Blue Prints	1.00 ls	-	-	2,000.00	2,000	-	-	-	2,000
		Postage & Overnight Expenses	14.00 mnth	-	-	-	-	75.00	1,050	-	1,050
	1520	Punch List	1.00 ls	1,500.00	1,500	750.00	750	-	-	-	2,250
	1530	Job Signs	1.00 sign	100.00	100	800.00	800	-	-	-	900
		Way Finding Signs	1.00 ls	250.00	250	250.00	250	-	-	-	500
	1540	Photos	14.00 mnth	-	-	-	-	30.00	420	-	420
	1550	Testing	1.00 ls	-	-	-	-	-	-	By Owner	-
	1800	Record Drawings	1.00 ls	-	-	500.00	500	-	-	-	500
1950		GENERAL REQUIREMENTS									
	1962	Temp Conditions	350.00 sf	-	-	-	-	6.00	2,100	-	2,100
		Temp Hard Partitions - New Additions	0.00 sf	0.00	0	0.00	0	-	-	Excluded	0
		Temp Hard Partitions - Library Addition (In gym)	1,000.00 sf	-	-	-	-	6.00	6,000	-	6,000
		Temp Hard Partitions - Cafe Reno.	800.00 sf	-	-	-	-	6.00	4,800	-	4,800
		Temp Doors - Library Addition (In gym)	0.00 ea	0.00	0	0.00	0	0.00	0	-	0
		Delere Swing Space Partitions & Doors - Alt.	0.00 ls	0.00	0	0.00	0	0.00	0	-	0
2000		DEMOLITION									
	2030	Demolition	1.00 ls	-	-	-	-	25,000.00	25,000	-	25,000
		Demo & Disposal - New ADD tie-ins	4,000.00 sf	-	-	-	-	8.00	32,000	-	32,000
		Demo & Disposal - Library Reno.	800.00 sf	-	-	-	-	10.00	8,000	-	8,000
		Demo & Disposal - Boiler Reno.	1.00 wks	2,400.00	2,400	-	-	-	-	-	2,400
		Support Labor - New ADD	6.00 wks	2,400.00	14,400	-	-	-	-	w/Roofing	14,400
		Support Labor - Library Add	3.00 wks	2,400.00	7,200	-	-	-	-	-	7,200
		Create Openings to Run New MEPFP systems - New ADD	1.00 ls	-	-	-	-	10,000.00	10,000	-	10,000
		Create Openings to Run New MEPFP systems - Library	1.00 ls	-	-	-	-	2,500.00	2,500	-	2,500
		ADD	1.00 ls	-	-	-	-	1,500.00	1,500	-	1,500
		Create Openings to Run New MEPFP systems - Boiler Rm	1.00 ls	-	-	-	-	1,500.00	1,500	-	1,500
		ADD	1.00 ls	-	-	-	-	40,000.00	40,000	-	40,000
		Removal of Two Temp Classrooms - Library ADD	6,354.00 sf	-	-	-	-	10.00	63,540	-	63,540
		Demo & Disposal - Cafe Renovation	2.00 ea	-	-	-	-	200.00	400	-	400
		Removal of Two Pair Exit doors - Library ADD	1.00 ls	-	-	-	-	20,000.00	20,000	-	20,000
		Partial Roof overhang Demo. for Bldg Tie-ins - NEW Add.	1.00 ls	-	-	-	-	150,000.00	150,000	-	150,000
		Relocate & Set-up Alternate Location for Two Temp Modular Classrooms - Library ADD	1.00 ls	-	-	-	-	-	-	-	-
2032		Concrete Sawcutting									
		Concrete Sawcutting, Trenching & Backfill - Library Reno	600.00 Int	-	-	-	-	10.00	6,000	-	6,000
		Concrete Sawcutting, Trenching & Backfill - Boiler Reno	450.00 Int	-	-	-	-	10.00	4,500	-	4,500
2035		Asbestos Removal									
		Asbestos Removal	0.00 ls	-	-	-	-	-	-	Excluded	-
2285		Shoring									
		Temp. Shoring for Bearing Wall Demo. - LIBRARY RENO.	500.00 sf	-	-	-	-	10.00	5,000	Allowance	5,000
		Temp. Shoring for Bearing Wall Demo. - CAFE RENO.	200.00 sf	-	-	-	-	12.50	2,500	Allowance	2,500
2295		Underpinning									
		Underpinning	cy	-	-	-	-	-	-	Excluded	-
3000		CONCRETE									
	3010	Concrete Subs	503.00 cy	-	-	-	-	250.00	125,750	-	125,750
		Foundation Subcontractor - NEW ADD	10.00 wks	2,400.00	24,000	-	-	-	-	-	24,000
		Support Labor - NEW ADD	-	-	-	-	-	-	-	-	-

CONSTRUCTION COSTS (CONT.)—PMS

SECTION 5: FINANCIAL ANALYSIS

Group	Phase	Description	Takeoff Quantity	Labor Cost/Unit	Labor Amount	Material Cost/Unit	Material Amount	Sub Cost/Unit	Sub Amount	Sub Name	Total Amount	
3010		Concrete Subs	181.00 cy	-	-	-	-	250.00	45,250		45,250	
		Foundation Subcontractor - Library ADD	4.00 wks	-	-	-	-	-	-	-	-	9,600
		Support Labor - Library/ADD	26.00 cy	2,400.00	9,600	-	-	-	250.00	6,500		6,500
3015		Support Labor - Boiler Rm ADD	1.00 wks	-	-	-	-	2,400.00	2,400		2,400	
		Flatwork Sub - NEW ADD	29,400.00 sf	-	-	-	-	5.00	147,000		147,000	
		Flatwork Sub - Boiler Add	720.00 sf	-	-	-	-	5.00	3,600		3,600	
3018		Site Flatwork Sub Door Pads	400.00 sf	-	-	-	-	5.00	2,000		2,000	
		Flatwork Sub - Library Add	5,819.00 sf	-	-	-	-	5.00	29,095		29,095	
		Support Labor - NEW ADDS	3.00 wks	2,400.00	7,200	0	0	0	7,200		7,200	
		Flatwork INFILL Sub - CAFE RENO	40.00 sf	-	-	-	-	5.00	200		200	
		Flatwork Sub Equip. Pads - Boiler Rm. Addition	400.00 sf	-	-	-	-	5.00	2,000		2,000	
		Infill Floor trenching - Library/ Reno	600.00 sf	-	-	-	-	5.00	3,000		3,000	
		Infill Floor trenching - Boiler Reno	450.00 sf	-	-	-	-	5.00	2,250		2,250	
		Flatwork Sub Equip. Pads - New Additions	300.00 sf	-	-	-	-	5.00	1,500		1,500	
		Flatwork Sub Equip. Pads - Library Addition	100.00 sf	-	-	-	-	5.00	500		500	
		Concrete Pumps - Foundation Work - New Add	2.00 ea	-	-	-	-	1,100.00	2,200		2,200	
3200		Concrete Pumps - Flatwork - New Add	4.00 ea	-	-	-	1,100.00	4,400		4,400		
		Concrete Pumps - Flatwork - Library Add	2.00 ea	-	-	-	1,100.00	2,200		2,200		
		Concrete Pumps - Foundation Work - Library ADD	2.00 ea	-	-	-	1,100.00	2,200		2,200		
3251		Concrete Pumps - Flatwork - Boiler Rm Add	1.00 ea	-	-	-	1,100.00	1,100		1,100		
		Vapor Barrier	29,400.00 sf	-	-	-	0.25	7,350		7,350		
		15-mil Vapor Barrier - New ADD	5,700.00 sf	-	-	-	0.25	1,425		1,425		
		15-mil Vapor Barrier - Library ADD	720.00 sf	-	-	-	0.25	180		180		
		Fdn Concrete - Ftgs. & Walls	503.00 cy	-	-	-	131.25	66,019		66,019		
		Foundation Conc4500 psi - New ADD	181.00 cy	-	-	-	131.25	23,756		23,756		
		Foundation Conc4500 psi - Boiler Rm ADD	26.00 cy	-	-	-	131.25	3,413		3,413		
		Foundation Conc3000 psi - New ADD	cy	-	-	-	-	-	-	-		
		Foundation Conc3000 psi - Library ADD	cy	-	-	-	-	-	-	-		
		Foundation Conc3000 psi - Boiler Rm ADD	cy	-	-	-	-	-	-	-		
3255		Slab Concrete	453.00 cy	-	-	-	126.50	57,305		57,305		
		Slab Conc3000 psi - New ADD	90.00 cy	-	-	-	126.50	11,385		11,385		
		Slab Conc3000 psi - Library Add	11.00 cy	-	-	-	126.50	1,392		1,392		
		Slab Conc3000 psi - Boiler Rm ADD	1.00 cy	-	-	-	126.50	127		127		
		Slab INFILL Conc3000 psi - CAFE RENO	15.00 cy	-	-	-	126.50	1,898		1,898		
		Equip. Pad Conc3000 psi - Boiler Rm ADD	12.00 cy	-	-	-	126.50	1,518		1,518		
		Infill floor trenching Slab Conc3000 psi - Library Reno.	9.00 cy	-	-	-	126.50	1,139		1,139		
		Infill floor trenching Slab Conc3000 psi - Boiler Reno.	35.00 cy	-	-	-	120.00	4,200		4,200		
		Site Concrete	65.00 ea	30.00	1,950	15.00	975	-	2,925		2,925	
		Grout Baseplates	26.00 ea	30.00	780	15.00	390	-	1,170		1,170	
3425		Grout Baseplates - Library Addition	1,320.00 Int	0.00	0	0.27	356		356			
		Joint Filler	485.00 Int	0.00	0	0.27	131		131			
		Premold. JT Filler - New ADD	110.00 Int	0.00	0	0.27	30		30			
3450		Premold. JT Filler - Library/ADD	5,280.00 sf	0.25	1,320	1.25	6,600		7,920			
		Perimeter Insul	1,940.00 sf	0.25	485	1.25	2,425		2,910			
		Perimeter Insulation 2" - Library ADD	440.00 sf	0.25	110	1.25	550		660			
3452		Perimeter Insulation 2" - Boiler Rm. ADD	3,300.00 sf	0.25	825	1.25	4,125		4,950			
		2" wide at perimeters Under slab Insulation 2" - New ADD	1,220.00 sf	0.25	305	1.25	1,525		1,830			
		2" wide at perimeters Under slab Insulation 2" - Library ADD										

CONSTRUCTION COSTS (CONT.)—PMS

SECTION 5: FINANCIAL ANALYSIS

Group	Phase	Description	Takeoff Quantity	Labor Cost/Unit	Labor Amount	Material Cost/Unit	Material Amount	Sub Cost/Unit	Sub Amount	Sub Name	Total Amount	
4000	3452	Underslab Insulation 2' wide at perimeter Underslab Insulation 2" - Boiler Rm. ADD	270.00 sf	0.25	68	1.25	338	-	-	-	405	
	3810	Reinf. Steel Buy Reinforcing Steel (200lb per cy) - New ADD Buy Reinforcing Steel (200lb per cy) - Library ADD Buy Reinforcing Steel (200lb per cy) - Boiler Rm. ADD Install Reinforcing Steel (200lb per cy) - New ADD Install Reinforcing Steel (200lb per cy) - Library ADD Install Reinforcing Steel (200lb per cy) - Boiler Rm. ADD	51.00 tn 18.00 tn 3.00 tn 51.00 tn 18.00 tn 3.00 tn	-	-	1,100.00 1,100.00 1,100.00	56.100 19.800 3.300	-	-	-	56.100 19.800 3.300 30.600 10.800 1.800	
	3850	Wire Mesh Buy Wire Mesh - New ADD Buy Wire Mesh - Library ADD Buy Wire Mesh - Boiler Rm. ADD Buy Wire Mesh - Door Pads Infill floor trenching Buy Wire Mesh - Library Reno. Infill floor trenching Buy Wire Mesh - Boiler Reno. Labor to Install Wire Mesh - New ADD Labor to Install Wire Mesh - Library ADD Labor to Install Wire Mesh - Boiler Rm. ADD Labor to Install Wire Mesh - Site Infill floor trenching Labor to Install Wire Mesh - Library Reno.	29,400.00 sf 5,700.00 sf 720.00 sf 400.00 sf 600.00 sf 450.00 sf 29,400.00 sf 5,700.00 sf 720.00 sf 400.00 sf 600.00 sf	-	-	-	0.29 0.29 0.29 0.25 0.25 0.25 0.25 0.10 0.10 0.10 0.05	8,453 1,639 207 100 150 113	-	-	-	8,453 1,639 207 100 150 113 2,940 570 72 40 30
	4100	MASONRY Infill floor trenching Labor to Install Wire Mesh - Boiler Reno	450.00 sf	-	-	-	-	-	0.05	23	-	23
	4115	CMU Walls CMU Partitions at Rest Room Stalls - New Additions Masonry Rebar - Classroom Additions Masonry Rebar - Library Addition Ext Back-Up CMU Wall - 14'-8" - 8" - New Boiler Addition Ext Back-Up CMU Wall - 16'-0" - 8" - New ADD 8" Interior CMU Wall - 12'-0" - New ADD CMU Infill at Wall Demo - New Additions 8" Interior CMU Walls - 10' - Cafe Reno Support Labor - New Additions Support Labor - Library Addition & Reno Ext Back-Up CMU Wall - 8" New Library Addition 8" Interior CMU Wall - 12'-0" - LIBRARY ADD CMU Infill at Wall Demo - Cafe Renos. CMU Infill at Wall Demo - Library Renos. Support Labor - Cafe Reno	420.00 sf 1.00 ls 1.00 ls 1,084.00 sf 15,600.00 sf 16,800.00 sf 6.00 ea 1,200.00 sf 12.00 wks 6.00 wks 5,714.00 sf 1,434.00 sf 2.00 ea 4.00 ea 4.00 wks	-	-	-	-	-	12.00 15,000.00 5,000.00 14.00 14.00 14.00 750.00 14.00 0.00 0.00 14.00 14.00 750.00 750.00	5,040 15,000 5,000 15,176 218,400 235,200 4,500 16,800 28,800 14,400 79,986 20,076 1,500 3,000 9,600	-	5,040 15,000 5,000 15,176 218,400 235,200 4,500 16,800 28,800 14,400 79,986 20,076 1,500 3,000 9,600
	4117	Masonry Veneers Brick Veneer Std Brick - New Additions Existing Brick - Re-point at Tie-ins Brick Veneer Std Brick - New Library Addition Brick Veneer Std Brick Infill Brick Veneer Std Brick - New Boiler Addition	15,600.00 sf 5,000.00 sf 5,714.00 sf 2,500.00 sf 1,084.00 sf	-	-	-	0.00 0.00 0.00	32.00 25.00 32.00	-	-	-	499,200 125,000 182,848 80,000 34,688
	4550	Precast Concrete Precast Concrete Window Head & Sills - New Additions Precast Concrete Window Head & Sills - Library Additions	600.00 lf 200.00 lf	-	-	-	-	-	40.00 40.00	24,000 8,000	-	24,000 8,000
	5100	METALS Structural Steel Structural Steel - New Additions (29,400 sf) Supplemental Steel for AHU's & EF's on Roof - New Additions Structural Steel - Library Addition	250.00 tn 4.00 ea 30.00 tn	-	-	-	-	-	4,000.00 10,000.00	1,000,000 40,000	-	1,000,000 40,000 126,000

CONSTRUCTION COSTS (CONT.)—PMS

SECTION 5: FINANCIAL ANALYSIS

Group	Phase	Description	Takeoff Quantity	Labor Cost/Unit	Labor Amount	Material Cost/Unit	Material Amount	Sub Cost/Unit	Sub Amount	Sub Name	Total Amount	
5100		Structural Steel										
		Supplementary Steel - Condenser Support - Library Addition	1.00 ea	-	-	0.00	0	10,000.00	10,000		10,000	
		Additional Brace Framing - New Additions	1.00 ls	-	-	0.00	0	50,000.00	50,000	Allowance	50,000	
		New Roof Deck at New Additions	29,400.00 sf	-	-	0.00	0	3.00	88,200		88,200	
		Support Labor - New Additions	4.00 wks	2,400.00	9,600	0.00	0	0.00	0		9,600	
		New Roof Deck at Library Addition Corridors	840.00 sf	-	-	3.00	0	2,520	2,520		2,520	
		Structural Steel - Boiler Addition (600 sf)	3.00 tn	-	-	4,200.00	0	12,600	12,600		12,600	
		New Roof Deck at Boiler Addition	600.00 sf	-	-	3.00	0	1,800	1,800		1,800	
		Cut Metal Roof Deck for new Solar tubes	120.00 sf	-	-	50.00	0	6,000	6,000		6,000	
		Structural Steel INFILL - Library RENO (200 SF)	2.00 tn	-	-	4,200.00	0	8,400	8,400		8,400	
		Support Labor - Library Addition & RENO.	2.00 wks	2,400.00	4,800	0.00	0	0	0		4,800	
		Structural Steel INFILL - CAFE RENO (200 SF)	2.00 tn	-	-	4,200.00	0	8,400	8,400		8,400	
		Additional Brace Framing - Library Addition & Renos	1.00 ls	-	-	30,000.00	0	30,000	30,000	Allowance	30,000	
		Layout Engr. - New Additions	25.00 wk	2,600.00	65,000	0.00	0	0	0		65,000	
		Layout Engr. - Library Addition	5.00 wk	2,600.00	13,000	0.00	0	0	0		13,000	
5500		Misc. Metal										
		Lintels for Openings - New Additions (3 pc's per opening)	1,125.00 lf	-	-	-	-	30.00	33,750		33,750	
		Roof Hatch & Access Ladders - New Additions	2.00 ea	-	-	-	-	1,500.00	3,000		3,000	
		CMU Seismic Clip Sets - New Additions (5' o.c. @ Int.	280.00 ea	-	-	-	-	75.00	21,000		21,000	
		CMU walls)										
		Misc Metal - Unknown - New Additions	1.00 ls	-	-	-	-	25,000.00	25,000		25,000	
		CMU Seismic Clip Sets - LIBRARY Addition (5' oc @ Int	24.00 ea	-	-	-	-	75.00	1,800		1,800	
		CMU walls)										
		Lintels for Openings - LIBRARY New Addition (3 pc's per opening)	474.00 lf	-	-	-	-	30.00	14,220		14,220	
		Misc Metals Unknown - Boiler Rm Addition	40.00 lf	-	-	-	-	30.00	1,200		1,200	
		Misc Metals Unknown - Library Addition & Renos.	1.00 ls	-	-	-	-	10,000.00	10,000		10,000	
		Misc Metals Unknown - Boiler Rm. Addition & Renos.	1.00 ls	-	-	-	-	5,000.00	5,000		5,000	
		Folding Partition Supplemental Support Beams - New Addition	4.00 ea	-	-	-	-	1,500.00	6,000		6,000	
	6000		Carpentry									
			Rough Carpentry									
		Misc Rough Carpentry/Int. - New Additions	29,400.00 sf	0.00	0	0.25	7,350	0.50	14,700		22,050	
		Support Labor - New Additions	6.00 wks	2,400.00	14,400	-	-	-	-		14,400	
		Misc Rough Carpentry/Int. - Library ADD & Reno.	9,680.00 sf	0.00	0	0.25	2,420	0.50	4,840		7,260	
		Support Labor - Library ADD & Reno	4.00 wks	2,400.00	9,600	-	-	-	-		9,600	
		Misc Rough Carpentry/Int. - Boiler Rm. Add & Reno	1,305.00 sf	-	-	0.25	326	0.50	653		979	
		Support Labor - Boiler Rm. ADD & Reno.	2.00 wks	2,400.00	4,800	-	-	-	-		4,800	
		New Wood Truss & Sheathing system - Library Addition	5,672.00 sf	-	-	-	-	8.00	45,376		45,376	
		Support Labor - Cafe Reno.	6.00 wk	2,400.00	14,400	-	-	-	-		14,400	
6600			Arch. Millwork									
			Solid Surface Window Sills - New Additions	260.00 lf	-	-	-	-	40.00	10,400		10,400
			Tall PLAM Double-Door Storage Cabs - New Additions	30.00 ea	-	-	-	-	1,000.00	30,000		30,000
			Unknown Millwork - New Additions	1.00 ls	-	-	-	-	15,000.00	15,000		15,000
			Circulation Deck @ Library	1.00 ls	-	-	-	-	25,000.00	25,000		25,000
		24" Deep Wood Book Shelves - Library	179.00 lf	-	-	-	-	800.00	143,200		143,200	
		4' x 30" Book Case - New Additions	100.00 ea	-	-	-	-	500.00	50,000		50,000	
		Unknown Millwork - Library Addition & Renos.	1.00 ls	-	-	-	-	15,000.00	15,000	Allowance	15,000	
		PLAM Perimeter Counter in CPU - Library Addition	48.00 lf	-	-	-	-	100.00	4,800		4,800	
		Solid Surface Window Sills - Library Additions	90.00 lf	-	-	-	-	40.00	3,600		3,600	
	6650		Lab Casework									
			Science Lab Epoxy Tops - New Additions	57.500 sf	-	-	-	-	75.00	43,125		43,125
			Science Lab PLAM Lower Cabs - New Additions	220.00 lf	-	-	-	-	250.00	55,000		55,000
			Science Lab PLAM Upper Cabs - New Additions	220.00 lf	-	-	-	-	250.00	55,000		55,000
			Science Lab Epoxy Tops - Library Renos.	27.600 sf	-	-	-	-	75.00	20,700		20,700
		Remove & Replace Science Lab Epoxy Tops - EXISTING LABS	1,681.00 sf	-	-	-	-	85.00	142,885		142,885	
		Remove & Replace Science Lab PLAM Lower Cabs - EXISTING LABS	680.00 lf	-	-	-	-	275.00	187,000		187,000	

CONSTRUCTION COSTS (CONT.)—PMS

SECTION 5: FINANCIAL ANALYSIS

Group	Phase	Description	Takeoff Quantity	Labor Cost/Unit	Labor Amount	Material Cost/Unit	Material Amount	Sub Cost/Unit	Sub Amount	Sub Name	Total Amount	
7000	6650	Lab Casework Remove & Replace Science Lab PLAM Upper Cabs - EXISTING LABS Support Labor - Existing Science Labs Patch & Match Finishes - Existing Science Labs	618.00 lf 6.00 wks 1,681.00 sf	- 2,400.00 -	- 14,400 -	- -	- -	275.00 -	169,950 -	169,950 -	- Allowance	169,950 14,400 16,810
		THERMAL/MOISTURE										
	7100	Dampproofing Dampproof Foundations - New Additions Dampproof Foundations - Library Addition Dampproof Foundations - Boiler Rm. Additions	0.00 sf 0.00 sf 0.00 sf	- - -	- -	- -	- -	- -	- -	- -	Excluded Excluded Excluded	- -
	7120	Waterproofing Waterproofing	1.00 ls	-	-	-	-	-	-	Excluded	-	
	7210	Building Insulation 3" Rigid Cavity Wall Insulation - New Additions 3" Rigid Cavity Wall Insulation - Library Addition 3" Rigid Cavity Wall Insulation - Boiler Rm. Addition	17,000.00 sf 6,000.00 sf 1,100.00 sf	- - -	- -	3.00 3.00 3.00	51,000 18,000 3,300	- -	- -	- -	51,000 18,000 3,300	
	7262	Air Vapor Barrier System Vapor Barrier Spray Applied - New Additions Vapor Barrier Spray Applied - Library Addition Vapor Barrier Spray Applied - Boiler Rm. Addition	15,600.00 sf 5,714.00 sf 1,084.00 sf	- - -	- -	- -	- -	4.75 4.75 4.75	74,100 27,142 5,149	- -	74,100 27,142 5,149	
	7500	Membrane Roofing EPDM Roofing - New Add EPDM Roofing - Boiler Rm. Add Cut & Patch Existing EPDM Roofing - Solatubes (30 ea.)	29,400.00 sf 720.00 sf 120.00 sf	- - -	- -	- -	- -	15.00 15.00 12.00	441,000 10,800 1,440	- -	441,000 10,800 1,440	
	7750	Skylights Add Solatubes in 5 Classrooms Flash & Patch Roof & Ceiling finishes for added Solatubes in 5 Classrooms Cut & Patch for new Skylights at S.T.E.A.M. & ELL Classrooms	30.00 ea 30.00 ea 3.00 ea	- -	- -	- -	- -	3,900.00 100.00 1,200.00	117,000 3,000 3,600	- -	117,000 3,000 3,600	
	7810	Spray on Fireproofing Replace 16"x16" Skylights at S.T.E.A.M. Reno. F&I new 4"x4" Skylights at ELL Reno. Spray on Fireproofing Spray on Fireproofing Spray on Fireproofing	2.00 ea 1.00 ea sf sf sf	- -	- -	- -	- -	2,500.00 50,000.00 - - -	5,000 50,000 - - -	- -	5,000 50,000 - - -	
	7840	Firestopping Firestopping Sub - New Add Firestopping Sub - Library Add Firestopping Sub - Boiler Rm. Add	1.00 ls 1.00 ls 1.00 ls	- -	- -	- -	- -	15,000.00 5,000.00 1,500.00	15,000 5,000 1,500	- -	15,000 5,000 1,500	
	7900	Caulking & Sealants Caulking - New Add Caulking - Library Add & Reno Caulking - Boiler Rm. Add & Reno. Caulking - Cafe Reno.	29,400.00 sf 9,680.00 sf 1,463.00 sf 6,354.00 sf	- -	- -	- -	- -	1.25 1.25 1.25 1.25	36,750 12,100 1,829 7,943	- -	36,750 12,100 1,829 7,943	
	7950	Expansion Control Fire Rated Vertical Expansion Joint Cover Assemblies - New Additions Fire Rated Horizontal Expansion Joint Cover Assemblies - New Additions Fire Rated Vertical Expansion Joint Cover Assemblies - Library Addition Fire Rated Horizontal Expansion Joint Cover Assemblies - Library Addition Fire Rated Horizontal Expansion Joint Cover Assemblies - Boiler Add. Fire Rated Vertical Expansion Joint Cover Assemblies - Boiler Addition	240.00 lf 350.00 lf 60.00 lf 70.00 lf 30.00 lf 30.00 lf	- -	- -	- -	35.00 75.00 35.00 75.00 75.00 35.00	8,400 26,250 2,100 5,250 2,250 1,050	40.00 50.00 40.00 50.00 50.00 40.00	9,600 17,500 2,400 3,500 1,500 1,200	- -	18,000 43,750 4,500 8,750 3,750 2,250

CONSTRUCTION COSTS (CONT.)—PMS

SECTION 5: FINANCIAL ANALYSIS

Group	Phase	Description	Takeoff Quantity	Labor Cost/Unit	Labor Amount	Material Cost/Unit	Material Amount	Sub Cost/Unit	Sub Amount	Sub Name	Total Amount		
8000	8110	DOORS & WINDOWS											
		Doors, Frames & Hardware											
		Classroom Doors - New Additions	30.00 leaf	-	-	-	-	-	1,200.00	36,000		36,000	
		Corridor Doors - New Additions	8.00 leaf	-	-	-	-	-	1,600.00	12,800		12,800	
		Ext Doors - New Additions	8.00 leaf	-	-	-	-	-	1,800.00	14,400		14,400	
		Storage/Jant/Mech Doors - New Additions	9.00 leaf	-	-	-	-	-	1,100.00	9,900		9,900	
		Office Doors - New Additions	4.00 leaf	-	-	-	-	-	1,200.00	4,800		4,800	
		Toilet Room Doors - New Additions	2.00 leaf	-	-	-	-	-	900.00	1,800		1,800	
		Library CPU Double Door - Library Addition	1.00 ea	-	-	-	-	-	1,350.00	1,350		1,350	
		Closet Doors - New Addition	2.00 ea	-	-	-	-	-	550.00	1,100		1,100	
		Ext Doors - LIBRARY Additions	5.00 leaf	-	-	-	-	-	1,800.00	9,000		9,000	
		Ext Doors - BOILER RM. Additions	2.00 leaf	-	-	-	-	-	1,800.00	3,600		3,600	
		Classroom Doors - LIBRARY Reno's	7.00 leaf	-	-	-	-	-	1,200.00	8,400		8,400	
		Corridor Doors - LIBRARY Addition (both ends)	8.00 leaf	-	-	-	-	-	1,600.00	12,800		12,800	
		Office Doors - LIBRARY Addition	4.00 leaf	-	-	-	-	-	1,200.00	4,800		4,800	
		Storage/Jant/Mech Doors - CAFE Reno.	5.00 leaf	-	-	-	-	-	1,100.00	5,500		5,500	
		Storage/Jant/Mech Doors - LIBRARY Reno.	2.00 leaf	-	-	-	-	-	1,100.00	2,200		2,200	
		Toilet Room Doors - LIBRARY Additions	1.00 leaf	-	-	-	-	-	900.00	900		900	
		8130	HM Borrowed Lite Frames	HM Borrowed Lite Frame 4'x4' - No Glass - New Additions	12.00 ea	-	-	350.00	4,200	-	-		4,200
				HM Borrowed Lite Frame 4'x4' - No Glass - Library Reno.	12.00 ea	-	-	350.00	4,200	-	-		4,200
HM Borrowed Lite Frame 4'x4' - No Glass - Cate Reno.	3.00 ea			-	-	350.00	1,050	-	-		1,050		
8180	Access Control Hardware	Access Control Hardware - Library Add & Reno.	1.00 ls	-	-	-	-	9,000.00	9,000	Allowance	9,000		
		Access Control Hardware - New Additions	1.00 ls	-	-	-	-	34,500.00	34,500	Allowance	34,500		
8415	Automatic Door Operators	Access Control Hardware - Boiler Rm. & Reno	1.00 ls	-	-	-	-	1,500.00	1,500	Allowance	1,500		
		Automatic Door Operators - New Additions	0.00 each	-	-	-	-	-	-	Excluded	-		
8430	Storefronts	Aluminum Framed Storefronts - LIBRARY Addition	1,674.00 sf	-	-	-	-	60.00	100,440		100,440		
		Single Alum. Entrance Doors w/Transoms - New Additions	4.00 ea	-	-	-	-	4,000.00	16,000		16,000		
		Pair Alum. Entrance Doors w/Transoms - New Additions	4.00 pr	-	-	-	-	8,000.00	32,000		32,000		
		Pair Alum. Entrance Doors - LIBRARY Additions	2.00 pr	-	-	-	-	7,000.00	14,000		14,000		
8500	Windows	Aluminum Clad Casement Windows - LIBRARY Addition	530.00 sf	-	-	-	-	45.00	23,850		23,850		
		Aluminum Clad Casement Windows - NEW Additions	1,300.00 sf	-	-	-	-	45.00	58,500		58,500		
		Vycor at Window RO's - Library Addition	1,200.00 lf	-	-	-	-	4.00	4,800		4,800		
		Vycor at window R.O.'s - New Additions	1,080.00 lf	-	-	-	-	4.00	4,320		4,320		
8800	Glass & Glazing	Glass & Glazing - New Additions (BL=12)	250.00 sf	-	-	-	-	30.00	7,500		7,500		
		Glass & Glazing - Library Addition & Reno's. (BL=12)	200.00 sf	-	-	-	-	30.00	6,000		6,000		
		Glass & Glazing - Boiler Rm. Addition	20.00 sf	-	-	-	-	30.00	600		600		
		Glass & Glazing - Cafe Reno. (BL=3)	75.00 sf	-	-	-	-	30.00	2,250		2,250		
8900	Louvers	Clean Glass - New Additions	4,000.00 sf	-	-	-	-	0.30	1,200		1,200		
		Clean Glass - Library Addition	2,000.00 sf	-	-	-	-	0.30	600		600		
9000	FINISHES	Louvers - New Additions	1.00 ls	-	-	-	-	2,500.00	2,500		2,500		
		Louvers - Library Addition	1.00 ls	-	-	-	-	2,500.00	2,500		2,500		
		Louvers - Boiler Rm Addition	1.00 ls	-	-	-	-	1,500.00	1,500		1,500		
		Gypsum Drywall											
		Furred Walls - 14'-0" - New Additions	4,800.00 sf	-	-	-	-	4.50	21,600		21,600		
		Interior Gyp above CMU to Deck (4'-0") - New Additions	5,600.00 sf	-	-	-	-	10.00	56,000		56,000		
		Unload and Move Materials - New Additions	1.00 ls	-	-	-	-	5,000.00	5,000		5,000		
		Support Labor - New Additions	8.00 wks	-	-	19,200	-	0.00	0		19,200		
		Dumpster Loads - New Additions	30.00 ld	-	-	-	-	0.00	0		18,000		
		Support Labor - Library Addition & Reno's.	8.00 wks	-	-	19,200	-	0.00	0		19,200		

CONSTRUCTION COSTS (CONT.)—PMS

SECTION 5: FINANCIAL ANALYSIS

Group	Phase	Description	Takeoff Quantity	Labor Cost/Unit	Labor Amount	Material Cost/Unit	Material Amount	Sub Cost/Unit	Sub Amount	Sub Name	Total Amount	
9250		Gypsum Drywall										
		Interior Gyp above CMU & Entrance Walls to Deck (4'-0") - Library Add	500.00 sf	-	-	-	10.00	5,000		5,000		5,000
		Interior Gyp above CMU & Entrance Walls to Deck (4'-0") - Cafe Reno	300.00 sf	-	-	-	10.00	3,000		3,000		3,000
9255		Gyp. Int. Wall Assemblies	3,700.00 sf	-	-	-	-	5.00	18,500		18,500	
9270		RENO.										
		Drywall Ceilings/ Soffits										
		Drywall Ceilings - New Additions	3,000.00 sf	-	-	-	8.00	24,000		24,000		24,000
		Drywall Ceilings - Library Addition & Reno	500.00 sf	-	-	-	8.00	4,000		4,000		4,000
		Drywall Ceiling - Boiler Room Addition & Reno.	1,305.00 sf	-	-	-	8.00	10,440		10,440		10,440
		Drywall Soffit ALLOWANCE - New Additions	1.00 ls	-	-	-	20,000.00	20,000		20,000		20,000
		Drywall Soffit ALLOWANCE - Library Addition & Reno.	1.00 ls	-	-	-	15,000.00	15,000		15,000		15,000
		1-lyr GWB at Bottom Chord - Library Addition	5,700.00 sf	-	-	-	5.35	30,495		30,495		30,495
		Porcelain Tile										
		Porcelain Wall Tile - New ADD	2,450.00 sf	-	-	-	16.00	39,200		39,200		39,200
Porcelain Wall Tile - Library ADD	270.00 sf	-	-	-	16.00	4,320		4,320		4,320		
Porcelain Tile Floor - New ADD	1,100.00 sf	-	-	-	12.00	13,200		13,200		13,200		
Porcelain Tile Floor - Library ADD	122.00 sf	-	-	-	12.00	1,464		1,464		1,464		
Porcelain Tile Base - New ADD	385.00 Int	-	-	-	15.00	5,775		5,775		5,775		
Porcelain Tile Base - New ADD	1,100.00 sf	-	-	-	3.00	3,300		3,300		3,300		
Porcelain Tile Base - Library Add	45.00 Int	-	-	-	15.00	675		675		675		
Crack Suppression - Floor - Library ADD	122.00 sf	-	-	-	3.00	366		366		366		
9500		Acoustical Ceilings										
		ACT Classroom - New ADD	26,000.00 sf	-	-	-	3.00	78,000		78,000		78,000
		R&R ACT & Grid for Corridor Heat Pipe Changeout - New Additions	5,500.00 sf	-	-	-	5.00	27,500		27,500		27,500
		ACT Classroom - Library ADD & Reno	9,700.00 sf	-	-	-	3.00	29,100		29,100		29,100
		ACT - Cafe Ceiling	6,354.00 sf	-	-	-	6.00	38,124		38,124		38,124
		R&R ACT & Grid for Corridor Heat Pipe Changeout - Library Addition	1,400.00 sf	-	-	-	5.00	7,000		7,000		7,000
		Acoustic Wall Panels										
		2" Acoustic Wall Panels In Gym	1,400.00 sf	-	-	-	14.00	19,600		19,600		19,600
		2" Acoustic Wall Panels - Cafe Reno.	1,000.00 sf	-	-	-	14.00	14,000		14,000		14,000
		2" Acoustic Wall Panels - Mech. Rooms - New Additions	1,441.00 sf	-	-	-	14.00	20,174		20,174		20,174
2" Acoustic Wall Panels - Mech. Rooms - Library Addition	527.00 sf	-	-	-	14.00	7,378		7,378		7,378		
2" Acoustic Wall Panels - Existing Boiler Room	902.00 sf	-	-	-	14.00	12,628		12,628		12,628		
2" Acoustic Wall Treatment 4" - Library Addition Perimeter	1,012.00 sf	-	-	-	14.00	14,168		14,168		14,168		
Patch Finishes - Gym Wall Panels	1,400.00 sf	-	-	-	0.50	700		700		700		
9600		Flooring										
		Moisture Mitigation - New Additions	29,400.00 sf	-	-	-	4.50	132,300		132,300		132,300
9642		Moisture Mitigation - Library Additions	5,700.00 sf	-	-	-	4.50	25,650		25,650		25,650
		Wood Athletic Flooring										
Remove / Replace Gym Wood Floor, Gamelines	6,750.00 sf	-	-	-	13.50	91,125		91,125		91,125		
Support Labor - Gym Floor	4.00 wk	-	-	-								
Patch Finishes - Gym Floor	6,750.00 sf	-	-	-	0.50	3,375		3,375		3,375		
9650		Resilient Floors & Base										
		VCT Flooring - New ADD	26,000.00 sf	-	-	-	1.85	48,100		48,100		48,100
		VCT Flooring - Library ADD & Reno	2,719.00 sf	-	-	-	1.85	5,030		5,030		5,030
		VCT Flooring - Cafe Reno	6,335.00 sf	-	-	-	1.85	11,720		11,720		11,720
		Floor Prep - New Additions	24,900.00 sf	-	-	-	0.50	12,450		12,450		12,450
		Floor Prep - Library Addition & Renos	9,700.00 sf	-	-	-	0.50	4,850		4,850		4,850
		Floor Prep - Cafe Renos.	6,400.00 sf	-	-	-	0.50	3,200		3,200		3,200
		Final Cleaning Existing Building Upgrades	84,100.00 sf	-	-	-	0.30	25,230		25,230		25,230
		Rubber Base - New Add	3,757.00 Int	-	-	-	1.45	5,448		5,448		5,448
		Rubber Base - Library ADD & Reno	1,232.00 Int	-	-	-	1.45	1,786		1,786		1,786
Rubber Base - Cafe Reno	631.00 Int	-	-	-	1.45	915		915		915		
9685		Carpet Tile										

CONSTRUCTION COSTS (CONT.)—PMS

SECTION 5: FINANCIAL ANALYSIS

Group	Phase	Description	Takeoff Quantity	Labor Cost/Unit	Labor Amount	Material Cost/Unit	Material Amount	Sub Cost/Unit	Sub Amount	Sub Name	Total Amount
9685		Carpet Tile - Library ADD & Reno	681.00 sqyd	-	-	-	-	40.00	27,240		27,240
9900		Painting									
		Painting - Miscellaneous Undefined - Library	1.00 ls	-	-	-	-	5,000.00	5,000		5,000
		Touch-Up Allowance - New Additions	1.00 ls	-	-	-	-	15,000.00	15,000		15,000
		Paint CMU (Prime / Filler + 2 Finish) - Latex - New Additions	49,000.00 sf	-	-	-	-	0.65	31,850		31,850
		Paint CMU (Prime / Filler + 2 Finish) - Latex - Library Addition	8,600.00 sf	-	-	-	-	0.45	3,870		3,870
		Paint CMU (Prime / Filler + 2 Finish) - Latex - Boiler Rm Addition & Renos.	1,100.00 sf	-	-	-	-	0.65	715		715
		Paint GWB (Prime + 2 Finish) - Latex - Library Reno	5,000.00 sf	-	-	-	-	0.45	2,250		2,250
		Paint CMU (Prime / Filler + 2 Finish) - Latex - Cafe Reno	1,600.00 sf	-	-	-	-	0.65	1,040		1,040
		Paint GWB (Prime + 2 Finish) - Latex - New Additions	5,000.00 sf	-	-	-	-	0.45	2,250		2,250
		Paint Ceiling - New Additions	3,000.00 sf	-	-	-	-	1.10	3,300		3,300
		Paint HM Doors Frames - New Additions	63.00 ea	-	-	-	-	100.00	6,300		6,300
		Paint HM Doors Frames - Library Addition & Reno.	24.00 ea	-	-	-	-	100.00	2,400		2,400
		Paint HM Doors Frames - Boiler Rm Addition	2.00 ea	-	-	-	-	100.00	200		200
		Paint Ceiling - Library Addition & Reno.	500.00 sf	-	-	-	-	1.10	550		550
		Paint HM Doors Frames - Cafe Reno	5.00 ea	-	-	-	-	100.00	500		500
		Paint Borrowed Lite Frame - New Additions	12.00 ea	-	-	-	-	40.00	480		480
		Paint Borrowed Lite Frame - Library Addition & Renos	12.00 ea	-	-	-	-	40.00	480		480
		Paint Borrowed Lite Frame - Cafe Reno.	3.00 ea	-	-	-	-	40.00	120		120
10000		SPECIALTIES									
10100		Visual Display Boards									
		MB - 10'x4' - New Additions	40.00 ea	-	-	-	-	400.00	16,000		16,000
		TB - 4'x4' - New Additions	68.00 ea	-	-	-	-	250.00	17,000		17,000
		MB - Full Ht. 8' in Corridors - New Additions	768.00 sf	-	-	-	-	15.00	11,520		11,520
		MB - Full Ht. 8' in - Library Addition	200.00 sf	-	-	-	-	15.00	3,000		3,000
		MB - 10' x 5' for projection - New Additions	35.00 ea	-	-	-	-	500.00	17,500		17,500
		MB - 10' x 5' for projection - Library Addition	3.00 ea	-	-	-	-	500.00	1,500		1,500
10150		Toilet Partitions									
		Toilet Stall Doors (Reg) - New ADD	8.00 ea	0.00	0	0.00	-	350.00	2,800		2,800
		Toilet Stall Doors (HCP) - New ADD	4.00 ea	0.00	0	0.00	-	450.00	1,800		1,800
10400		Signs									
		Signs - New Additions	34.00 ea	-	-	-	-	100.00	3,400		3,400
		Signs - Library Add. & Renos.	16.00 ea	-	-	-	-	100.00	1,600		1,600
		Signs - Cafe Renos.	13.00 ea	-	-	-	-	100.00	1,300		1,300
		Signs - Boiler Rm. Add. & Renos.	5.00 ea	-	-	-	-	100.00	500		500
10500		Lockers									
		Lockers w/bases - Hallway Lockers - New ADD	200.00 each	-	-	-	-	275.00	55,000		55,000
		Remove & Replace corridor lockers & bases - Single Tier Student Locker - Welded	600.00 opng	-	-	-	-	325.00	195,000		195,000
		Patch Locker alcoves	600.00 opng	-	-	-	-	15.00	9,000		9,000
10520		Firefighting Dev									
		Fire Extinguisher - New Additions	6.00 ea	-	-	-	-	300.00	1,800		1,800
		Fire Extinguisher - Library Addition & Renos.	4.00 ea	-	-	-	-	300.00	1,200		1,200
		Fire Extinguisher - Cafe Renos.	2.00 ea	-	-	-	-	300.00	600		600
		Fire Extinguisher - Boiler Rm. Addition	1.00 ea	-	-	-	-	300.00	300		300
10650		Folding Partitions									
		Operable Partitions - New ADD (4 ea)	750.00 sf	-	-	-	-	45.00	33,750		33,750
		Remove & Dispose of (3) Existing Folding Partitions	815.00 sf	-	-	-	-	7.50	6,113		6,113
		Replace (3) Folding Partitions w/ New Modernfold 933E Folding Partitions	815.00 sf	-	-	-	-	45.00	36,675		36,675
		Patch Finishes - New Folding Partitions	815.00 sf	-	-	-	-	5.00	4,075		4,075
10800		Toilet Accessories									
		18" Grab Bars - New Additions	6.00 ea	20.00	120	30.00	180	-	-		300
		36" Grab Bars - New Additions	6.00 ea	20.00	120	40.00	240	-	-		360
		18" Grab Bars - Library Add.	1.00 ea	20.00	20	30.00	30	-	-		50

CONSTRUCTION COSTS (CONT.)—PMS

SECTION 5: FINANCIAL ANALYSIS

Group	Phase	Description	Takeoff Quantity	Labor Cost/Unit	Labor Amount	Material Cost/Unit	Material Amount	Sub Cost/Unit	Sub Amount	Sub Name	Total Amount	
10800		Toilet Accessories										
		36" Grab Bars - Library Add	1.00 ea	20.00	20	40.00	40	-	-	-	60	
		42" Grab Bars - New Additions	6.00 ea	20.00	120	50.00	300	-	-	-	420	
		42" Grab Bars - Library Add	1.00 ea	20.00	20	50.00	50	-	-	-	70	
		Surface Mntd Single Roll TP Dispenser - New Additions	14.00 ea	15.00	210	-	-	-	-	-	210	
		OFCI										
		Surface Mntd Single Roll TP Dispenser - Library Add. OFCI	1.00 ea	15.00	15	-	-	-	-	-	15	
		Surface Mntd Lever Op Roll PT Dispenser - New Additions	6.00 ea	25.00	150	-	-	-	-	-	150	
		OFCI										
		Surface Mntd Lever Op Roll PT Dispenser - Library Add. OFCI	1.00 ea	25.00	25	-	-	-	-	-	25	
10826		Surface Mounted Soap Dispenser - New Additions OFCI	6.00 ea	20.00	120	-	-	-	-	-	120	
		Surface Mounted Soap Dispenser - Library Add. OFCI	1.00 ea	20.00	20	-	-	-	-	-	20	
		Bathroom Mirrors										
		2x4 SS Frame Bathroom Mirrors - New Additions	5.00 ea	25.00	125	200.00	1,000	-	-	-	1,125	
		2x4 SS Frame Bathroom Mirrors - Library Addition	4.00 ea	25.00	100	200.00	800	-	-	-	900	
		EQUIPMENT										
		Interactive Projectors										
	11132	Interactive Projectors - By Owner	0.00 each	-	-	-	-	-	-	-	Excluded	-
		Interactive Projectors - By Owner	0.00 each	-	-	-	-	-	-	-	Excluded	-
	11490	Athletic Equipment	1,000.00 sf	-	-	-	-	-	20.00	20,000	-	20,000
	Remove & Replace Divider Curtain (60" x 20')											
12000		FURNISHINGS										
		Blinds & Shades										
	12020	Ext. Window Blinds & Shades - New Additions	26.00 ea	-	-	-	-	300.00	7,800	-	7,800	
		Ext. Window Blinds & Shades - Library Addition & Renov.	9.00 ea	-	-	-	-	300.00	2,700	-	2,700	
		Entrance Mats										
	12670	Glue Applied Entrance Mats - New Add	285.00 sf	-	-	-	-	9.00	2,565	-	2,565	
		Gym Bleachers										
	12700	Remove & Dispose existing Telescoping Bleachers	750.00 sf	-	-	-	-	8.00	6,000	-	6,000	
		Furnish & Install new Telescoping Bleachers - Hussey Maxam	750.00 sf	-	-	-	-	61.33	46,000	-	46,000	
		Patch Finishes at new Telescoping Bleachers	750.00 sf	-	-	-	-	5.00	3,750	-	3,750	
13000		SPECIAL CONST										
		Performance Stage										
	13200	Add Performance Stage	1,000.00 sf	-	-	-	-	350.00	350,000	-	350,000	
		FIRE SUPPRESSION										
		Fire-Suppression Sprinkler Systems										
	211300	Sprinkler Systems Wet - New Additions	29,400.00 sf	-	-	-	-	3.55	104,370	-	104,370	
		Sprinkler Systems Wet & Dry - Library Addition	9,680.00 sf	-	-	-	-	3.75	36,300	-	36,300	
		Sprinkler Systems Wet - Boiler Rm. Addition only	1,305.00 sf	-	-	-	-	3.55	4,633	-	4,633	
		Rework Sprinkler System Layout - Cafe Reno's	6,354.00 sf	-	-	-	-	3.55	22,557	-	22,557	
		Patch Finishes Rework Sprinkler System Layout - Cafe Reno's	6,354.00 sf	-	-	-	-	1.00	6,354	-	6,354	
	Patch Finishes Rework Sprinkler System Layout - Library Reno's	4,008.00 sf	-	-	-	-	1.00	4,008	-	4,008		
220000		PLUMBING										
		Plumbing										
	220100	Plumbing Subcontract - New ADD	29,400.00 sf	-	-	-	-	12.20	358,750	-	358,750	
		Plumbing Subcontract - Library ADD	9,680.00 sf	-	-	-	-	2.00	19,360	-	19,360	
		High Efficiency Water Heater - Boiler Rm. Reno	1.00 ls	-	-	-	-	150,000.00	150,000	-	150,000	
		Emerg. Eyewash Sta.at Art & Science Rms. - New Additions	3.00 ea	-	-	-	-	1,250.00	3,750	-	3,750	
		Patch finishes - eyewash stations	1.00 ls	-	-	-	-	2,000.00	2,000	-	2,000	
		Emerg. Eyewash Sta at Art & Science Rms. - Exist. School	8.00 ea	-	-	-	-	1,250.00	10,000	-	10,000	
		Plumbing Subcontract - Cafe Reno	6,354.00 sf	-	-	-	-	2.50	15,885	-	15,885	
		Plumbing Subcontract - Boiler Reno	1,305.00 sf	-	-	-	-	30.13	39,320	-	39,320	

CONSTRUCTION COSTS (CONT.)—PMS

SECTION 5: FINANCIAL ANALYSIS

Group	Phase	Description	Takeoff Quantity	Labor Cost/Unit	Labor Amount	Material Cost/Unit	Material Amount	Sub Cost/Unit	Sub Amount	Sub Name	Total Amount							
230000	230100	HVAC																
		HVAC Subcontract - New Add	29,400.00 sf					31.90	937,860			937,860						
		HVAC Subcontract - New Library Add & Reno's.	9,680.00 sf					37.11	359,264			359,264						
		New Boiler Plant Equipment	1.00 ls					340,000.00	340,000			340,000						
		Temp Electrical / HVAC / Plumbing Hook-Ups	1.00 ls					30,000.00	30,000	Allowance		30,000						
		HVAC - Cafe Reno's	6,354.00 sf					26.70	169,656			169,656						
		HVAC Subcontract - Boiler Addition & Reno's.	1,305.00 sf					111.95	146,094			146,094						
		Equipment																
		Temporary Heat - New Add	4.00 mnth		4,000.00	16,000	10,000.00	40,000	0.00	0			56,000					
		Temporary Heat - Library ADD	1.00 mnth		4,000.00	4,000	10,000.00	10,000	0.00	0			14,000					
260000	230175	Piping																
		Patch finishes at corridor New HW's & R Piping	1.00 ls					25,000.00	25,000			25,000						
		ELECTRICAL																
		Electrical																
		Electrical Subcontract - New Addition	29,400.00 sf						25.31	744,070		744,070						
		Electrical Subcontract - Library Addition & Reno.	9,680.00 sf						27.53	266,452		266,452						
		Site Lighting (Relocate or Add)	1.00 ls						25,000.00	25,000		25,000						
		Electrical Subcontract - Boiler Addition & Reno	1,305.00 sf						52.10	67,981		67,981						
		New Electric Service Upgrade to 1200A	1.00 ls						84,100.00	84,100		84,100						
		Electrical Sub - Cafe Renovations	6,354.00 sf						26.88	170,770		170,770						
260170	260170	Egress Battery Packs																
		Replace Egress Battery Pack Units at Balance of School	84,100.00 sf					0.35	29,435			29,435						
		Job Clean-up	84,100.00 sf				0.03	2,523	0.30	25,230		27,753						
		Fire Alarm																
		Replace Fire Alarm System in Balance of School	84,100.00 sf						4.00	336,400		336,400						
		260185	260185	PA & Intercom Systems														
				Replace Intercom & P.A. Systems in Balance of School	84,100.00 sf					2.00	168,200			168,200				
				Final Clean up	84,100.00 sf					0.40	33,640			33,640				
				260300	260300	Utility Work												
						Eversource Utility Company Backcharges	1.00 ls					40,000.00	40,000	Allowance		40,000		
Reroute UG Telephone Conduit & Cable	1.00 ls									10,000.00	10,000	Allowance		10,000				
New Transformer Pad 500kVA	1.00 ls									2,000.00	2,000	Allowance		2,000				
310000	310100					EARTHWORK												
						Earthwork												
						General Site Prep / Demo	1.00 ls						50,000.00	50,000		50,000		
		Roadway, Existing Parking & New Parking Lot	110,000.00 sf								4.00	440,000		440,000				
		Building Earthwork - New Additions	29,400.00 sf								5.00	147,000		147,000				
		Building Earthwork - Library Addition	5,672.00 sf								7.50	42,540		42,540				
		Building Earthwork - Boiler Rm. Addition	600.00 sf						10.00	6,000		6,000						
		Roadway Widening for Manchester St. Turning Lanes	13,480.00 sf						6.00	80,880		80,880						
		320000	321200	EXTERIOR IMPROVEMENTS														
				Paving														
Emergency Access Rd Allowance	1.00 ls								20,000.00	20,000	Allowance	20,000						
321500	321500			Curbs														
				Vertical Granite Curb Straight	3,026.00 lf					18.00	54,468			54,468				
				Sloped Granite Curb	1,000.00 lf					24.50	24,500			24,500				
				321600	321600	Sidewalks												
						Relocate & Add Concrete Sidewalks	30,000.00 sqft					10.00	300,000			300,000		
						321800	321800	Synthetic Playground Surfacing										
								Synthetic Playground Surfacing at (2) Courtyards	7,200.00 sqft					12.00	86,400			86,400
		323100	323100					Fences and Gates										
								Rework / Replace Chain Link Fence - Site	1,400.00 lft					18.00	25,200			25,200
								Temp. - Chain Link Fence	1,600.00 lft					8.00	12,800			12,800
Temp. - Gates in Chain Link Fence	7.00 each											500.00	3,500			3,500		
323150	323150							Traffic Signs										
								Traffic Signs	19.00 ea					350.00	6,650			6,650

CONSTRUCTION COSTS (CONT.)—PMS

SECTION 5: FINANCIAL ANALYSIS

Group	Phase	Description	Takeoff Quantity	Labor Cost/Unit	Labor Amount	Material Cost/Unit	Material Amount	Sub Cost/Unit	Sub Amount	Sub Name	Total Amount
328000	Irrigation	Irrigation Subcontract	65,000.00 sf	-	-	-	-	1.25	81,250	Allowance	81,250
329000	Landscaping	Hydro Seed	67,000.00 sf	-	-	-	-	0.13	8,710	-	8,710
		Landscaping	1.00 ls	-	-	-	-	10,000.00	10,000	Allowance	10,000
330000	UTILITIES										
331000	Water Utilities	Water Co. Impact Fees - By Owner	ls	-	-	-	-	105.00	72,135	Excluded	72,135
		Re-route Water Lines outside of New Additions (North & South)	687.00 lf	-	-	-	-	-	-	-	-
		Re-route Water Line outside of Library Addition	326.00 lf	-	-	-	-	105.00	34,230	-	34,230
333000	Sanitary Sewer Utilities	Connect to San. Sewer Piping - New Additions	610.00 Int	-	-	-	-	50.00	30,500	-	30,500
		Connect to San. Sewer Piping - Library Addition	244.00 Int	-	-	-	-	50.00	12,200	-	12,200
		Sanitary Co. Impact Fees - By Owner	ls	-	-	-	-	-	-	Excluded	-
334000	Storm Drainage Utilities	Storm Drain System - Allowance	1.00 ls	-	-	-	-	185,000.00	185,000	Allowance	185,000
		Re-route 60" Drainage Line	1.00 ls	-	-	-	-	-	-	Excluded	-
335000	LP & Natural Gas	Remove Propane Tanks (2 ea)	2.00 ea	-	-	-	-	500.00	1,000	-	1,000
		Gas Co. Backcharges - Liberty Utilities (+3 million btw)	ls	-	-	-	-	-	-	Excluded	-
337000	Traffic Light Allowance	Traffic Light Allowance at Manchester Street	1.00 ls	-	-	-	-	203,150.00	203,150	East Coast Signals	203,150
		Add (2) Solar Powered Flashing "School Zone" Lights on Manchester St.	1.00 ls	-	-	-	-	19,000.00	19,000	East Coast Signals	19,000

Estimate Totals

Description	Amount	Totals	Hours	Rate	Cost Basis	Cost per Unit	Percent of Total
Labor	836,077		36,558.983 hrs		17,456 /sf	4.38%	
Material	542,329				11,323 /sf	2.84%	
Subcontract	#####				312,152 /sf	78.38%	
Equipment			240,000 hrs				
Other	#####	16,329,555			340,931 /sf	85.61	
Pre Construction Services %	32,659			0.200 %	0.682 /sf	0.17%	
NH Performance & Payment Bond	121,962				2,546 /sf	0.64%	
Builders Risk Insurance	23,843			1,250 \$ / 1,000	0.498 /sf	0.12%	
General Liability & Umbrella P	132,569			0.695 %	2,768 /sf	0.70%	
CM Fee %	291,210			1,750 %	6,080 /sf	1.53%	
CM Contingency %	507,954			3,000 %	10,605 /sf	2.66%	
Design Contingency %	871,988			5,000 %	18,205 /sf	4.57%	
Escalation % beyond 2020?				4,000 %	15,930 /sf	4.00%	
Escalation 4% 2020 Start	762,989						
Total	19,074,729				398,245 /sf		

CONSTRUCTION COSTS (CONT.)—NEW NASHUA MIDDLE SCHOOL

SECTION 5: FINANCIAL ANALYSIS

Nashua Schools New Middle School Buckmeadow Road 10-7-19 Budget Estimate

Project name	Nashua-New Middle School Buckmeadow Road Nashua NH
Estimator	JEB
Labor rate table	NH
Job size	189100 sf
Bid date	10/7/2019
Notes	<p>Assumptions & Clarifications:</p> <ul style="list-style-type: none"> - Assumes a 24-month Construction Schedule. <p>Allowances</p> <ul style="list-style-type: none"> - Snow Removal \$10,000. - HM Sideight frames \$10,000. - Access Control Hardware \$115,000. - Display Case \$25,000. - Int. Signage \$35,000. - Main Entrance Sign, \$50,000. - FE's (no monitoring) \$12,000. - Secure Entry \$30,000. - Food Service Equipment \$411,837. - Residential Appliances \$12,500. - Int Borrowed Light window shades \$5,000. - Site Furnishings \$15,000. - Offsite Improvements \$50,000. - Open & Trench Ledger Removal \$1,862,500. - Traffic Signage \$50,000. <p>Exclusions:</p> <ul style="list-style-type: none"> - Traffic Light. - Building Permit Fee (if Req'd.) by Owner. - Temp Water & Electric Usage By Owner. - All Testing Is by Owner. - Hazardous Materials & Contaminated Soils are excluded. - Epoxy Top Tables by Owner. - Bend Storgae Units by Owner. - Foundation waterproofing is excluded. - Spray Fireproofing is excluded. - Wall Protection is excluded. - Library Equipment is by Owner. - Art Room Klin is by Owner. - Laboratory Fume Hoods are excluded. - Fire Pump is excluded.

CONSTRUCTION COSTS (CONT.)—NEW NASHUA MIDDLE SCHOOL
SECTION 5: FINANCIAL ANALYSIS

Notes

- Concrete encased ductbanks are excluded.
- Lightning Protection system is excluded.
- Utility Connection Fees (Water, Sewer, Gas, Phone) are excluded.
- Transformer Rental / Purchase by Owner.

Report format

Sorted by 'Group phase/Phase'
'Group phase' summary

CONSTRUCTION COSTS (CONT.)—NEW NASHUA MIDDLE SCHOOL

SECTION 5: FINANCIAL ANALYSIS

Harvey Construction
 Spreadsheet Report
 Nashua-New Middle School

Page 3
 10/8/2019 4:13 PM

Group	Phase	Description	Takeoff Quantity	Labor Cost/Unit	Labor Amount	Material Cost/Unit	Material Amount	Sub Cost/Unit	Sub Amount	Sub Name	Total Amount
1000		GENERAL CONDITIONS	24.00 mmonth	53,422.92	1,282,150	2,088.46	50,123	9,727.50	233,460		1,565,733
3000		CONCRETE	189,100.00 sf	0.70	132,630	5.02	949,159	7.98	1,508,145		2,589,934
4000		MASONRY	189,100.00 sf	0.58	108,800	0.81	152,749	22.92	4,334,541		4,596,090
5000		METALS	189,100.00 sf	0.43	81,600	0.02	3,000	26.39	4,989,700		5,074,300
6000		WOOD & PLASTIC	189,100.00 sf	0.90	169,675	0.75	141,825	6.61	1,249,875		1,561,375
7000		THERMAL/MOISTURE	189,100.00 sf			1.87	353,299	15.40	2,912,855		3,266,154
8000		DOORS & WINDOWS	189,100.00 sf			2.43	459,961	7.58	1,434,175		1,894,136
9000		FINISHES	189,100.00 sf	0.58	108,800			24.84	4,696,862		4,805,662
10000		SPECIALTIES	189,100.00 sf	0.06	12,180	0.27	50,570	2.56	483,340		546,090
11000		EQUIPMENT	189,100.00 sf					7.20	1,360,957		1,360,957
12000		FURNISHINGS	189,100.00 sf					1.75	330,600		330,600
13000		SPECIAL CONST	12,678.00 sf					58.17	737,500		737,500
14000		CONVEYING SYS	189,100.00 sf					0.60	114,270		114,270
210000		FIRE SUPPRESSION	189,100.00 sf					3.75	709,125		709,125
220000		PLUMBING	189,100.00 sf					12.35	2,335,745		2,335,745
230000		HVAC	189,100.00 sf	0.17	32,000	1.27	240,000	40.15	7,592,880		7,864,880
260000		ELECTRICAL	189,100.00 sf					30.99	5,859,610		5,859,610
310000		EARTHWORK	189,100.00 sf					22.00	4,159,500		4,159,500
320000		EXTERIOR IMPROVEMENTS	189,100.00 sf					14.13	2,672,135		2,672,135
330000		UTILITY CONNECTION ALLOWANCES	189,100.00 sf					1.52	287,000		287,000

Estimate Totals

Description	Amount	Totals	Hours	Rate	Cost Basis	Cost per Unit	Percent of Total
Labor	1,927,835	#####	#####	hrs		10,195 /sf	3.05%
Material	2,400,686	#####				12,695 /sf	3.80%
Subcontract	#####	#####				253,846 /sf	75.94%
Equipment	#####	#####					
Other	#####	#####	2,319,990	hrs			
		52,330,796				276,736 /sf	82.79
re Construction Services %	130,827			0.250 %	T	0.692 /sf	0.21%
formance & Payment Bond	380,136				B	2.010 /sf	0.60%
Builders Risk Insurance	79,009			1.250 \$/	####	0.418 /sf	0.12%
neral Liability & Umbrella P	439,289			0.695 %	T	2.323 /sf	0.69%
CM Fee %	1,106,123			1.750 %	T	5.849 /sf	1.75%
Software Licenses	81,411			0.129 %	T	0.431 /sf	0.13%
CM Contingency %	1,636,428			3.000 %	T	8.654 /sf	2.59%
Design Contingency %	4,494,721			8.000 %	T	23,769 /sf	7.11%
Escalation 2021 Start	2,528,281			4.000 %	T	13,370 /sf	4.00%
Total		63,207,021				334,252 /sf	

CONSTRUCTION COSTS (CONT.)—NEW NASHUA MIDDLE SCHOOL

SECTION 5: FINANCIAL ANALYSIS

Nashua Schools New Middle School Buckmeadow Road 10-7-19 Budget Estimate

Project name	Nashua-New Middle School Buckmeadow Road Nashua NH
Estimator	JEB
Labor rate table	NH
Job size	189100 sf
Bid date	10/7/2019
Notes	<p>Assumptions & Clarifications:</p> <ul style="list-style-type: none"> - Assumes a 24-month Construction Schedule. <p>Allowances</p> <ul style="list-style-type: none"> - Snow Removal \$10,000. - HM Sidelight frames \$10,000. - Access Control Hardware \$115,000. - Display Case \$25,000. - Int. Signage \$35,000. - Main Entrance Sign, \$50,000. - FE's (no monitoring) \$12,000. - Secure Entry \$30,000. - Food Service Equipment \$411,837. - Residential Appliances \$12,500. - Int Borrowed Light window shades \$5,000. - Site Furnishings \$15,000. - Offsite Improvements \$50,000. - Open & Trench Ledger Removal \$1,862,500. - Traffic Signage \$50,000. <p>Exclusions:</p> <ul style="list-style-type: none"> - Traffic Light. - Building Permit Fee (if Req'd.) by Owner. - Temp Water & Electric Usage By Owner. - All Testing is by Owner. - Hazardous Materials & Contaminated Soils are excluded. - Epoxy Top Tables by Owner. - Bend Storgae Units by Owner. - Foundation waterproofing is excluded. - Spray Fireproofing is excluded. - Wall Protection is excluded. - Library Equipment is by Owner. - Art Room Klin is by Owner. - Laboratory Fume Hoods are excluded. - Fire Pump is excluded.

CONSTRUCTION COSTS (CONT.)—NEW NASHUA MIDDLE SCHOOL
SECTION 5: FINANCIAL ANALYSIS

Notes

- Concrete encased ductbanks are excluded.
- Lightning Protection system is excluded.
- Utility Connection Fees (Water, Sewer, Gas, Phone) are excluded.
- Transformer Rental / Purchase by Owner.

Report format

Sorted by 'Group phase/Phase'
Detail' summary

CONSTRUCTION COSTS (CONT.)—NEW NASHUA MIDDLE SCHOOL

SECTION 5: FINANCIAL ANALYSIS

Group	Phase	Description	Takeoff Quantity	Labor Cost/Unit	Labor Amount	Material Cost/Unit	Material Amount	Sub Cost/Unit	Sub Amount	Sub Name	Total Amount
1000		GENERAL CONDITIONS									
	1001	Project Dimensions									
		Project Site Gross Square Footage	20.00 ac								
		On Site Disturbed Gross Square Footage	558,000.00 sf								
		New Building Square Footage	189,100.00 sf								
		Athletic Field SF (Baseball, Soccer, Softball, Basketball & Tennis)	126,200.00 sf								
		Access Road Entrance Disturbed Gross Square Footage	62,000.00 sf								
		Emergency Access Road Entrance Disturbed Gross Square Footage	12,700.00 sf					0.00	0		0
	1100	Superintendent									
		Superintendent	104.00 wk	4,600.00	478,400						478,400
		Asst. Superintendent	68.00 wk	3,000.00	204,000						204,000
		General Superintendent	15.00 wk	5,000.00	75,000						75,000
	1110	Layout Engineer									
		Layout Engineer	22.00 wk	2,000.00	44,000						44,000
		Survey Instrument	22.00 wk					50.00	1,100		1,100
	1140	Proj. Management									
		Project Executive	15.00 wk	5,000.00	75,000						75,000
		Senior Project Manager	52.00 wk	4,400.00	228,800						228,800
		Asst. Project Manager	52.00 wk	3,200.00	166,400						166,400
	1150	Project Accounting									
		Accounting	2.00 wk	2,600.00	5,200						5,200
	1210	Harvey's Field Office									
		Harvey's Field Office	24.00 mnth					425.00	10,200		10,200
		Office Trailer Set Up	1.00 ls					1,200.00	1,200		1,200
		Stairs to Trailer	24.00 mnth					35.00	840		840
		Bottled Water	24.00 mnth					35.00	840		840
		Temp. Phone Set Up	1.00 ls					200.00	200		200
		Temp. Phone	24.00 mnth					150.00	3,600		3,600
		Cell Phone	24.00 mnth					150.00	3,600		3,600
		Temp. Toilet	48.00 mnth					80.00	3,840		3,840
		Office Supplies	24.00 mnth			100.00	2,400				2,400
		Fax Copier	24.00 mnth					200.00	4,800		4,800
		Computer	24.00 mnth					150.00	3,600		3,600
		Hi-Speed Internet Connection	24.00 mnth					75.00	1,800		1,800
	1250	Communications									
		Communications	24.00 mnth					200.00	4,800		4,800
	1260	Temp. Water									
		Temp. Water	24.00 mnth							By Owner	
	1285	Pickup Truck									
		Pickup Truck	104.00 wk			250.00	26,000				26,000
	1300	Permits									
		Building Permit Fee	ls							By Owner	
	1310	Temp. Fences									
		Temp. Fences	200.00 lift					8.00	1,600		1,600
		Gates in Temp. Fence	2.00 each					500.00	1,000		1,000
	1320	Safety									
		Safety Inspections	182.00 hrs					125.00	22,750		22,750
		First Aid Kit Refills	24.00 mnth					50.00	1,200		1,200
	1330	Temp. Electric									
		Temp. Electric Usage	sf							By Owner	0
	1335	Fire Protection									
		Fire Protection	1.00 ls			1,500.00	1,500				1,500
	1350	Snow Removal									
		Snow Removal	1.00 ls					10,000.00	10,000	Allowance	10,000
	1360	Small Tools									

CONSTRUCTION COSTS (CONT.)—NEW NASHUA MIDDLE SCHOOL

SECTION 5: FINANCIAL ANALYSIS

Group	Phase	Description	Takeoff Quantity	Labor Cost/Unit	Labor Amount	Material Cost/Unit	Material Amount	Sub Cost/Unit	Sub Amount	Sub Name	Total Amount
1360		Small Tools									
		Small Tools	24.00 mnth	-	-	250.00	6,000	-	-		6,000
1410		Job Cleanup									
		Job Cleanup	189,100.00 sf			0.03	5,673	0.30	56,730		62,403
		Final Clean Up	189,100.00 sf			-	-	0.40	75,640		75,640
		Clean Glass	30,000.00 sf			-	-	0.30	9,000		9,000
1430		Dumpsters									
		Dumpster Rental	24.00 mnth			100.00	2,400	-	-		2,400
1500		Material Hoist									
		Material Hoist	3.00 mnth			500.00	1,500	3,600.00	10,800		12,300
1510		Blue Prints									
		Blue Prints	1.00 ls			2,000.00	2,000	-	-		2,000
		Postage & Overnight Expenses	24.00 mnth			-	-	150.00	3,600		3,600
1520		Punch List									
		Punch List	1.00 ls	5,000.00	5,000	750.00	750	-	-		5,750
1530		Job Signs									
		Job Sign	1.00 sign	100.00	100	800.00	800	-	-		900
		Way Finding Signs	1.00 ls	250.00	250	600.00	600	-	-		850
1540		Photos									
		Photos	24.00 mnth			-	-	30.00	720		720
1550		Testing									
		Testing	ls	-	-	-	-	-	-	By Owner	-
1800		Record Drawings									
		Record Drawings	1.00 ls			500.00	500	-	-		500
3000		CONCRETE									
3010		Concrete Subs									
		Foundation Sub	1,300.00 cy			-	-	330.00	429,000		429,000
		Support Labor	20.00 wk	2,720.00	54,400	-	-	-	-		54,400
3015		Flatwork Sub									
		Flatwork Sub SOG	98,100.00 sf			-	-	4.00	392,400		392,400
		Support Labor	20.00 wk	2,720.00	54,400	-	-	-	-		54,400
		Flatwork Sub SOD (2nd & 3rd floors)	91,159.00 sf			-	-	5.00	455,795		455,795
		Flatwork Sub - Stairs	9,400.00 sf			-	-	8.00	75,200		75,200
		Flatwork sub Site Concrete	7,500.00 sf			-	-	6.00	45,000		45,000
		Flatwork Sub - Housekeeping Pads	1,100.00 sf			-	-	5.00	5,500		5,500
3018		Concrete Equipment									
		Concrete Pumps - Foundations	15.00 Days			-	-	1,150.00	17,250		17,250
		Concrete Pumps - Slabs	20.00 Days			-	-	1,150.00	23,000		23,000
3200		Vapor Barrier									
		Slegowrap 15 (incl tape)	99,000.00 sf			0.25	24,750	-	-		24,750
3251		Fdn Concrete									
		Footings, Walls, Piers, Grade Beams 4500psi	1,300.00 cy			130.00	169,000	-	-		169,000
3255		Slab Concrete									
		5" Radiant Slab Conc3000 psi (98,000 sf)	1,513.00 cy			125.00	189,125	-	-		189,125
		6" Radiant 2nd floor Slab on Deck Conc3000 psi (49,800 sf)	922.00 cy			135.00	124,470	-	-		124,470
		6" Radiant, 3rd floor Slab on Deck Conc3000 psi (41,400 sf)	767.00 cy			135.00	103,545	-	-		103,545
		Housekeeping Pads Conc3000 psi	14.00 cy			125.00	1,750	-	-		1,750
3260		Site Concrete									
		Site Conc 4500 psi	140.00 cy			130.00	18,200	-	-		18,200
3265		Pan Stair Concrete									
		Pan Stair Conc 3000 psi	174.00 cy			135.00	23,490	-	-		23,490
3408		Grout Baseplate									
		Grout Baseplates	190.00 ea	15.00	2,850	15.00	2,850	-	-		5,700
3425		Joint Filler									
		Premold, JT Filler 1/2"x 6"	2,500.00 lmt	0.41	1,034	0.32	800	-	-		1,834
3450		Perimeter Insul									

CONSTRUCTION COSTS (CONT.)—NEW NASHUA MIDDLE SCHOOL

SECTION 5: FINANCIAL ANALYSIS

Group	Phase	Description	Takeoff Quantity	Labor Cost/Unit	Labor Amount	Material Cost/Unit	Material Amount	Sub Cost/Unit	Sub Amount	Sub Name	Total Amount
	3450	Perimeter Insul Perimeter Insulation 2" Dow Styrofoam SE 2' X 8' Sheets	12,220.00 sf	0.35	4,277	1.95	23,829	-	-		28,106
	3452	Underslab Insulation Underslab Insulation 2" along perimeter 2' wide Underslab Insulation 2" Balance of SOG for Radiant Heat Tubing	5,000.00 sf 95,000.00 sf	0.16 0.16	783 14,885	0.96 0.96	4,800 91,200	-	-		5,583 106,085
	3810	Reinf. Steel Buy Reinforcing Steel (150#/cy) Install Reinforcing Steel	100.00 tn 100.00 tn	-	-	1,100.00	110,000	650.00	65,000		110,000 65,000
	3850	Wire Mesh Buy Wire Mesh S.O.G. Mesh Accessories - All Levels	110,000.00 sf 189,000.00 sf	-	-	0.30 0.15	33,000 28,350	-	-		33,000 28,350
4000		MASONRY									
	4115	CMU Walls 6" CMU Toilet Partitions 6'-0" Corridor CMU Wall 10'-0" - 8" Corridor / Stair CMU Wall 14'-0" - 8" Corridor CMU Wall 16'-0" - 8" 2-HR Elevator CMU Shaft Wall 53'-0" - 8" Corridor CMU Gym Walls 25'-0" Interior CMU Walls 10'-0" - 8" Interior CMU Walls 14'-0" - 8" Interior CMU Wall 16'-0" - 8" Support Labor	2,000.00 sf 40,200.00 sf 19,900.00 sf 1,200.00 sf 2,200.00 sf 9,300.00 sf 39,000.00 sf 12,800.00 sf 2,220.00 sf 40.00 wks 1.00 ls	-	-	-	-	13.75 17.75 17.75 17.75 23.25 17.75 17.75 17.75	27,500 713,550 353,225 21,300 51,150 165,075 692,250 227,200 39,405		27,500 713,550 353,225 21,300 51,150 165,075 692,250 227,200 39,405
	4117	Masonry Veneers CMU Reinforcing Steel	50,750.00 sf	-	-	-	-	207,543.00	207,543		207,543
	4118	Brick Veneer Std Brick Precast Sill	50,750.00 sf	-	-	-	-	34.71	1,761,343		1,761,343
	4675	Block Insulation 3" Rigid Cavity Wall Insulation (Installed by Mason)	1,500.00 lf 50,750.00 sf	-	-	3.01	152,749	50.00	75,000		75,000 152,749
5000		METALS									
	5100	Structural Steel Structural Steel (12 Lb. per sf) Supplemental Roof Steel Support Labor Additional Brace Framing	1,134.00 tn 10.00 tn 30.00 wks 1.00 ls	-	-	-	-	3,800.00 4,500.00 50,000.00	4,309,200 45,000 50,000		4,309,200 45,000 50,000
	5300	Metal Deck Acoustical Deck at Gym Roof	8,000.00 sf	-	-	-	-	3.00	24,000		24,000
	5500	Misc. Metal Gate Stair & Seating Misc Metals - Unknown Galv. Steel Linels Seismic CMU Wall Clips Pan Stairs w/ Picket & Pipe Rail Architectural Stairs w/ Picket Rail - Classroom Lobby Elevator Pit Ladder Elevator Sill Angles Elevator Sump Pit Cover & Frame Elevator Hoist Beam Roof Access Ladders Roof Access Ladders 6" Galv. Bollard	1.00 ls 1.00 ls 1,500.00 lf 1.00 ls 265.00 rsr 70.00 rsr 1.00 ea 3.00 ea 1.00 ea 1.00 ea 2.00 ea 2.00 ea 10.00 ea	-	-	-	-	50,000.00 30,000.00 45.00 100,000.00 800.00 1,000.00 1,000.00 500.00 500.00 1,000.00 2,000.00 2,000.00	50,000 30,000 67,500 100,000 212,000 70,000 1,000 1,500 500 1,000 4,000 4,000		50,000 30,000 67,500 100,000 212,000 70,000 1,000 1,500 500 1,000 4,000 4,000
	5600	Entrance Canopy Entrance Canopy	1.00 ls	-	-	-	-	20,000.00	20,000		20,000
6000		WOOD & PLASTIC									
	6100	Rough Carpentry									

CONSTRUCTION COSTS (CONT.)—NEW NASHUA MIDDLE SCHOOL

SECTION 5: FINANCIAL ANALYSIS

Group	Phase	Description	Takeoff Quantity	Labor Cost/Unit	Labor Amount	Material Cost/Unit	Material Amount	Sub Cost/Unit	Sub Amount	Sub Name	Total Amount	
6100		Rough Carpentry	189,100.00 sf	0.25	47,275	0.75	141,825	-	-		189,100	
		Support Labor	45.00 wk	2,720.00	122,400	-	-	-	-	-		122,400
6600		Arch. Millwork										
		Solid Surface Window Sills & Aprons	1,300.00 lf				65.00	84,500				84,500
		Window Wall, full length, low Bookcases at Classrooms	1,568.00 lf				125.00	196,000				196,000
		Tall PLAM Teachers Wardrobe, widows & lock	63.00 ea				1,200.00	75,600				75,600
		Tall PLAM Storage Units w/dors & Lock	63.00 ea				1,400.00	88,200				88,200
		Bird Storage Units - By FFE	ls								Excluded	
		Built-in Cooking Stations - FACS	14.00 ea				5,000.00	70,000				70,000
		STEM Casework Allowance	2,430.00 sf				30.00	72,900				72,900
		Tall PLAM Storage Units - ART Rms.	8.00 ea				1,400.00	11,200				11,200
		18" Deep Storage Shelves	244.00 lf				75.00	18,300				18,300
		Mallboxes Work Rms.	11.00 ea				900.00	9,900				9,900
		Unknown Millwork	1.00 ls				20,000.00	20,000				20,000
		Tall PLAM Storage Units - Work/Break Rms.	20.00 ea				1,400.00	28,000				28,000
		PLAM Base & Wall Cabs, Counters - Work/Break Rms.	225.00 lf				425.00	95,625				95,625
		Proscenium & Stage Millwork	1.00 ls				50,000.00	50,000				50,000
		Library Bookcases	1.00 ls				65,000.00	65,000				65,000
		Library Circulation Desk	1.00 ls				20,000.00	20,000				20,000
		Admin. Circulation Desk	1.00 ls				10,000.00	10,000				10,000
		PLAM Base & Wall Cabs, Counters - Admin.	30.00 lf				425.00	12,750				12,750
		Epoxy Top Tables in Art Rooms - FFE	sf								Excluded	
		Solid Surface Counters in Toilet Rms.	330.00 lf				120.00	39,600				39,600
		Solid Surface Counters in Unidentified Areas	400.00 lf				120.00	48,000				48,000
6650		Lab Casework										
		Work Stations - STUDENT (incl. Tops)	54.00 ea				2,000.00	108,000				108,000
		Work Stations - TEACHERS (incl. Tops)	9.00 ea				2,500.00	22,500				22,500
		Storage Units - Science Lab Storage Rms.	18.00 ea				1,400.00	25,200				25,200
		Book Shelves - Science Labs	665.00 lf				120.00	79,800				79,800
		THERMAL/MOISTURE										
7120		Waterproofing										
		Waterproofing - Elevator Pit	1.00 ls				3,200.00	3,200				3,200
7210		Foundation Waterproofing	sf							Excluded		
		Building Insulation										
		3" Rigid Styrofoam Insulation R = 15 at Metal Panels	32,341.00 sf				1.25	40,426				40,426
		Closed Cell Spray Foam Ins., 3" R-18	83,091.00 sf				3.00	249,273				249,273
7215		Spray on Fireproofing										
		Spray on Fireproofing? TBD	sf								Excluded	
7262		Air Vapor Barrier System										
		Vapor Barrier Sheet Membrane - At Brick Veneer	50,750.00 sf				5.00	253,750				253,750
7440		Vapor Barrier Sheet Membrane - At Metal Panels	32,341.00 sf				5.00	161,705				161,705
		Aluminum Composite Panel										
		Aluminum Composite Sub-Framing	32,800.00 sf				5.00	164,000				164,000
		Aluminum Composite Panel	32,800.00 sf				25.00	820,000				820,000
7484		Aluminum Soffit										
		Alum. Ceiling & Soffit at Entrance Canopy	600.00 sf				20.00	12,000				12,000
7500		Membrane Roofing										
		Roof XJ Allowance	300.00 lf				25.00	7,500				7,500
		EPDM Roofing .060	99,000.00 sf				13.00	1,287,000				1,287,000
		Walkway Pads	500.00 Intt				10.00	5,000				5,000
7700		Roof Accessories										
		Roof Hatch	2.00 each				1,500.00	3,000				3,000
7840		Firestopping										
		Firestopping Sub	1.00 ls				30,000.00	30,000				30,000
7900		Caulking & Sealants										
		Caulking	1.00 ls				100,000.00	100,000				100,000
7950		Expansion Control										

CONSTRUCTION COSTS (CONT.)—NEW NASHUA MIDDLE SCHOOL

SECTION 5: FINANCIAL ANALYSIS

Group	Phase	Description	Takeoff Quantity	Labor Cost/Unit	Labor Amount	Material Cost/Unit	Material Amount	Sub Cost/Unit	Sub Amount	Sub Name	Total Amount
8000	7950	Expansion Control Horizontal Expansion Joint Cover Assemblies	200.00 lf	-	-	40.00	8,000	60.00	12,000		20,000
		Vertical Expansion Joint Cover Assemblies	400.00 lf	-	-	40.00	16,000	60.00	24,000		40,000
		Fire Rated Horizontal Expansion Joint Cover Assemblies	255.00 lf	-	-	80.00	20,400	60.00	15,300		35,700
		Fire Rated Vertical Expansion Joint Cover Assemblies	240.00 lf	-	-	80.00	19,200	60.00	14,400		33,600
		DOORS & WINDOWS									
	8100	HM Doors/Frame Classroom doors	138.00 leaf	-	-	-	-	1,350.00	186,300		186,300
		Comidor doors	44.00 leaf	-	-	-	-	2,400.00	105,600		105,600
		Exterior doors	18.00 leaf	-	-	-	-	2,150.00	38,700		38,700
		Exterior Slwy Doors doors	10.00 leaf	-	-	-	-	2,150.00	21,500		21,500
		Stair doors	28.00 leaf	-	-	-	-	1,800.00	50,400		50,400
	Storage/Jambir/Mechanical Rm. doors	50.00 leaf	-	-	-	-	1,200.00	60,000		60,000	
	Office doors	39.00 leaf	-	-	-	-	1,400.00	54,600		54,600	
	Toilet Room Doors	30.00 leaf	-	-	-	-	1,000.00	30,000		30,000	
	Gym Double Doors	4.00 ea	-	-	-	-	2,600.00	10,400		10,400	
	Kitchen / Serving Rm Doors	5.00 leaf	-	-	-	-	1,800.00	9,000		9,000	
8130	HM Borrowed Lite Frames HM Borrowed Lite Frame 4'x4' - No Glass	10.00 ea	-	-	-	-	750.00	7,500		7,500	
	HM Borrowed Lite Frame 6'x4' - No Glass	10.00 ea	-	-	-	-	850.00	8,500		8,500	
8132	HM Sidelight Frames HM Sidelight Light Frame Allowance	1.00 ls	-	-	-	10,000.00	10,000			Allowance	10,000
8180	Access Control Hardware Access Control Hardware	1.00 ls	-	-	-	-	-	115,000.00	115,000	Allowance	115,000
8200	Overhead Doors 12'x12' Steel Sectional - Motorized	1.00 ea	-	-	-	-	-	6,500.00	6,500		6,500
8310	Access Panels Access Panels	1.00 ls	-	-	-	-	-	2,500.00	2,500		2,500
8330	Colling Sectional Shutters Colling Sectional Shutters	3.00 ea	-	-	-	-	-	3,500.00	10,500		10,500
8415	Automatic Door Operators Automatic Door Operators	4.00 ea	-	-	-	-	-	2,700.00	10,800		10,800
8430	Storefronts Aluminum Framed Entrance Storefronts	505.00 sf	-	-	-	-	-	65.00	32,825		32,825
	Entrance Doors	14.00 ea	-	-	-	-	-	5,000.00	70,000		70,000
8440	Curtain Wall Curtain Wall	5,680.00 sf	-	-	-	-	-	75.00	426,000		426,000
8530	Windows Clad Wood Windows - FURNISH - ANDERSEN E-SERIES	282.00 each	-	-	-	1,116.26	292,461	525.00	137,550		292,461
	Clad Wood Windows - INSTALL	282.00 each	-	-	-	-	-	-	137,550		137,550
8800	Glass & Glazing Glass & Glazing (Door & BL Glass)	500.00 sf	-	-	-	-	-	20.00	10,000		10,000
8820	Sunshades Sunshades	750.00 lf	-	-	-	-	-	40.00	30,000		30,000
8900	Louvers Louvers	1.00 ls	-	-	-	-	-	7,500.00	7,500		7,500
9000	FINISHES Gypsum Drywall Int.3-5/8" LGMF, GWB b.s., taped above CMU to Deck (4'-0")	33,778.00 sf	-	-	-	-	-	16.83	568,484		568,484
	Int.3-5/8" LGMF, GWB b.s., taped above CMU to Deck (6'-0")	6,387.00 sf	-	-	-	-	-	15.00	95,805		95,805
	Misc. GWB	1.00 ls	-	-	-	-	-	25,000.00	25,000		25,000
	Support Labor	40.00 wk	-	-	-	-	-	-	108,800		108,800
	Ext. 6" CFMF, Densglas, 3" Rigid & Int GWB full height 14'-0" or 17'-0"	8,822.00 sf	-	-	-	-	-	11.00	97,042		97,042

CONSTRUCTION COSTS (CONT.)—NEW NASHUA MIDDLE SCHOOL

SECTION 5: FINANCIAL ANALYSIS

Group	Phase	Description	Takeoff Quantity	Labor Cost/Unit	Labor Amount	Material Cost/Unit	Material Amount	Sub Cost/Unit	Sub Amount	Sub Name	Total Amount
	9250	Gypsum Drywall Ext. 6" CFMF, Densglas, 3" Rigid & Int GWB full height 20'-0" Ext. 6" CFMF, Densglas, 3" Rigid & Int GWB full height 40'-0"	3,082.00 sf 38,837.00 sf	- -	- -	- -	- -	12.60 11.50	38,959 446,626		38,959 446,626
	9270	Drywall Soffits - Allowance	1.00 ls	-	-	-	-	115,000.00	115,000		115,000
	9300	Ceramic Tile Ceramic Floor Tile Ceramic Base Ceramic Wall Tile Crack Suppression	536.00 sf 163.00 Int 1,091.00 sf 536.00 sf	- - - -	- - - -	- - - -	- - - -	12.00 15.00 10.00 4.00	6,432 2,445 10,910 2,144		6,432 2,445 10,910 2,144
	9330	Quarry Tile Quarry Floor Tile - Kitchen, & Walk-ins. Quarry Tile Base Crack Suppression	3,012.00 sf 530.00 Int 3,012.00 sf	- - -	- - -	- - -	- - -	10.00 15.00 4.00	30,120 7,950 12,048		30,120 7,950 12,048
	9340	Porcelain Tile Porcelain Wall Tile Wainscot at Gang Toilets Porcelain Tile Floor at Main Entrance & Toilet rooms Porcelain Tile Base Crack Suppression	3,210.00 sf 7,900.00 sf 2,200.00 Int 7,900.00 sf	- - - -	- - - -	- - - -	- - - -	16.00 16.00 15.00 4.00	51,360 120,000 33,000 30,000		51,360 120,000 33,000 30,000
	9500	Acoustical Ceilings 2' x 2' ACT at Corridors, Classrooms & General Spaces 2' x 2' ACT at Wet Areas 2' x 2' ACT at Music Rooms 2' x 2' ACT at Cafe 2' x 2' ACT at Cafe	155,128.00 sf 7,322.00 sf 4,200.00 sf 3,600.00 sf 18,850.00 sf	- - - - -	- - - - -	- - - - -	- - - - -	4.25 5.00 5.50 8.50	659,294 36,610 23,100 30,600		659,294 36,610 23,100 30,600
	9510	Acoustical Panels Ceiling reflector panels at Music Areas - 50% coverage Acoustic treatments at Cafe Ceiling - 50% coverage Tectum Panels at Music, Gym & Mechanical Areas - 50% coverage Fabric Covered Panels Cafe & Library Homasote Wall Panels in Art Rooms - 50% coverage	2,100.00 sf 1,800.00 sf 8,800.00 sf 1,300.00 sf 900.00 sf	- - - - -	- - - - -	- - - - -	- - - - -	5.00 5.00 5.00 10.00 15.00	10,500 9,000 44,000 13,000 13,500		10,500 9,000 44,000 13,000 13,500
	9600	Flooring Moisture Mitigation Protect New Flooring	189,100.00 sf 189,100.00 sf	- -	- -	- -	- -	4.50 0.40	850,950 75,640		850,950 75,640
	9640	Wood Stage Flooring	1,573.00 sf	-	-	-	-	14.00	22,022		22,022
	9642	Wood Athletic Flooring	8,274.00 sf	-	-	-	-	14.00	115,836		115,836
	9650	Resilient Floors & Base LVT Flooring at Classrms., corridors, storage, data, elect. Hard Flooring at Admin., Offices, & Conf. Rms. Vinyl Base	123,025.00 sf 5,884.00 sf 22,533.00 Int	- - -	- - -	- - -	- - -	5.00 3.00 1.45	615,125 17,652 32,673		615,125 17,652 32,673
	9655	Rubber Flooring Cushioned Rubber Flooring - Excluded Rubber Stair Treads & Risers 6" Wide Rubber Floor Tile at Landings Rubber Floor Tile at Cafe Rubber Floor Base at Cafe	Is 265.00 tpd 2,131.00 sf 4,200.00 sf 427.00 Int	- - - - -	- - - - -	- - - - -	- - - - -	192.00 10.00 10.00 4.00	50,880 21,310 42,000 1,708	Excluded	50,880 21,310 42,000 1,708
	9670	Sealed Concrete Floors Sealed Concrete Floor	6,158.00 sf	-	-	-	-	1.15	7,082		7,082
	9680	Carpet Carpet at Tiered Seating in Cafe	75.00 sy	-	-	-	-	60.00	4,500		4,500
	9685	Carpet Tile Carpet Tile at Library	625.00 sayd	-	-	-	-	45.00	28,125		28,125
	9900	Painting		-	-	-	-				

CONSTRUCTION COSTS (CONT.)—NEW NASHUA MIDDLE SCHOOL

SECTION 5: FINANCIAL ANALYSIS

Page 9
10/8/2019 4:11 PM

Spreadsheet Report Nashua-New Middle School

Harvey Construction

Group	Phase	Description	Takeoff Quantity	Labor Cost/Unit	Labor Amount	Material Cost/Unit	Material Amount	Sub Cost/Unit	Sub Amount	Sub Name	Total Amount
	9900	Painting									
		Epoxy Paint - Exposed CMU walls in Gang Toilets	3,200.00 sf	-	-	-	-	2.00	6,400		6,400
		Balance of CMU walls - Latex	200,000.00 sf	-	-	-	-	0.75	150,000		150,000
		Paint exposed GWB at Ext. Walls	25,083.00 sf	-	-	-	-	13.796	345,796		345,796
		Paint Ceiling	18,850.00 sf	-	-	-	-	1.10	20,735		20,735
		Paint HM Frames	386.00 ea	-	-	-	-	100.00	38,600		38,600
		Touch-up Paint Allowance	1.00 ls	-	-	-	-	15,000.00	15,000		15,000
		Painting - Miscellaneous Undefined	1.00 ls	-	-	-	-	7,500.00	7,500		7,500
9950		FRP Wall Panels									
		FRP Wall Panels at Kitchen, JC, Art Sinks	2,200.00 sf	-	-	-	-	12.00	26,400		26,400
10000		SPECIALTIES									
10100		Visual Display Boards									
		Display Case Allowance	1.00 ls	-	-	-	-	25,000.00	25,000	Allowance	25,000
		5'x10' Projection Boards (30 ea.)	1,500.00 sf	-	-	-	-	20.00	30,000		30,000
		5' x 8' Projection Boards (60 ea.)	2,400.00 sf	-	-	-	-	20.00	48,000		48,000
		4' x 8' MB (46 ea.)	1,472.00 sf	-	-	-	-	10.00	14,720		14,720
		4' x 8' TB (30 ea.)	960.00 sf	-	-	-	-	17.00	16,320		16,320
10150		Toilet Partitions									
		HDPE Toilet Stall Doors (Standard)	36.00 ea	-	-	-	-	350.00	12,600		12,600
		HDPE Toilet Stall Doors (ADA)	10.00 ea	-	-	-	-	450.00	4,500		4,500
10190		Cubicle Curtain Track									
		Cubicle Curtain Track w/ hooks	80.00 lf	-	-	-	-	50.00	4,000		4,000
10260		Corner Guards									
		Wall Protection - LS Sub									
10350		Flag Poles									
		Flag Pole	1.00 each	-	-	-	-	5,000.00	5,000	Excluded	5,000
10400		Signs									
		Int. Sign Allowance	1.00 ls	-	-	-	-	35,000.00	35,000	Allowance	35,000
		Ext. Signage - New Main Entrance Sign	1.00 ea	-	-	-	-	50,000.00	50,000	Allowance	50,000
10500		Lockers									
		Single Tier Custodial Locker - KD	10.00 opng	-	-	-	-	210.00	2,100		2,100
		Single Tier Kitchen Staff Locker - KD	10.00 opng	-	-	-	-	210.00	2,100		2,100
		Two Tier Metal Student Locker 15" x 15" - KD	800.00 opng	-	-	-	-	150.00	120,000		120,000
10520		Firefighting Day									
		Fire Extinguisher - Excludes Monitoring	1.00 ls	-	-	-	-	12,000.00	12,000	Allowance	12,000
10650		Folding Partitions									
		8'-0" Folding Partitions at Classrooms (9 ea.)	1,600.00 sf	-	-	-	-	45.00	72,000		72,000
10800		Toilet Accessories									
		18" Grab Bars	36.00 ea	-	-	-	-	1,260	45,360		45,360
		36" Grab Bars	36.00 ea	-	-	-	-	1,440	51,840		51,840
		42" Grab Bars	36.00 ea	-	-	-	-	1,800	64,800		64,800
		Surface Mntd Single Roll TP Dispenser	62.00 ea	-	-	-	-	1,860	115,320		115,320
		Electric Hand Dryers	36.00 ea	-	-	-	-	900.00	32,400		32,400
		Surface Mounted Soap Dispenser	44.00 ea	-	-	-	-	1,320	58,080		58,080
		Sanitary Nap Dispenser	32.00 ea	-	-	-	-	800	25,600		25,600
		Mop Slop	8.00 ea	-	-	-	-	1,200	9,600		9,600
		2x4 SS Frame Bathroom Mirrors	44.00 ea	-	-	-	-	8,800	387,200		387,200
10900		Secure Entrance									
		Secure Entry Allowance	1.00 ls	-	-	-	-	30,000.00	30,000	Allowance	30,000
11000		EQUIPMENT									
11050		Library Equipment									
		Library Equipment - By Owner FFE									
11060		Stage Curtains & Lighting									
		Rigging & Curtains	1.00 ls	-	-	-	-	350,000.00	350,000		350,000
		Audio Visual System	1.00 ls	-	-	-	-	400,000.00	400,000		400,000
11100		Loading Dock Equipment									
		Dock Bumpers	1.00 ls	-	-	-	-	1,000.00	1,000		1,000

CONSTRUCTION COSTS (CONT.)—NEW NASHUA MIDDLE SCHOOL

SECTION 5: FINANCIAL ANALYSIS

Group	Phase	Description	Takeoff Quantity	Labor Cost/Unit	Labor Amount	Material Cost/Unit	Material Amount	Sub Cost/Unit	Sub Amount	Sub Name	Total Amount
11132	Projection Screens	12'x16' Roll up Projection Screen (Recessed/Electric)	1.00 each					5,000.00	5,000		5,000
		10'x12' Roll up Projection Screen (Recessed/Electric)	2.00 each					3,600.00	7,200		7,200
11200	Misc. Equipment									Excluded	
11400	Food Service	Klinn - Art Room FFE	Is							Excluded	
		Food Service Equipment Allowance	1.00 Is					411,837.00	411,837	Allowance	411,837
11452	Residential Appliances										
		Misc. Res. Appliance Allowance	1.00 Is					12,500.00	12,500	Allowance	12,500
11490	Athletic Equipment										
		Motorized Roll-down Divider Curtain	2,500.00 sf					20.00	50,000		50,000
		Volleyball net & Floor inserts	1.00 Is					4,500.00	4,500		4,500
		Basketball Backstops - Motorized	6.00 ea					13,500.00	81,000		81,000
		Padded Wall Mats	680.00 sf					12.00	7,920		7,920
11492	Scoreboards										
		Indoor Scoreboard	2.00 ea					15,000.00	30,000		30,000
12000	FURNISHINGS										
		Blinds & Shades									
12020	Blinds & Shades										
		Roller Window Shades at Classrms. & Offices	282.00 ea					250.00	65,500		65,500
		Blinds & Shades at Select Int. Borrowed Lights	1.00 Is					5,000.00	5,000	Allowance	5,000
12300	Manufactured Casework										
		Laboratory Casework	Is							w/Milwork	
		Laboratory Fume hoods	ea							Excluded	
12670	Entrance Mats										
		Recessed Entrance Grid & Mats	684.00 sf					25.00	17,100		17,100
12700	Telescoping Bleachers										
		Plastic, Motorized Telescoping Bleachers in Gym	800.00 seat					285.00	228,000		228,000
12900	Site Furnishings										
		Site Furnishings Allowance (Benches, Bike Racks,	1.00 Is					15,000.00	15,000	Allowance	15,000
13000	SPECIAL CONST										
		Misc. Construc.									
		Multi-Purpose Space	1,500.00 sf					325.00	487,500		487,500
		Outdoor Special Needs Exercise	1.00 Is					250,000.00	250,000		250,000
		Add Lower Floor at So. Classroom Wing - Incl 2nd Elevator	1.00 Is							Alternate	
14000	CONVEYING SYS										
		Elevators									
		Holeless Hydraulic Elevator 4000-LB, 3-stop	1.00 Is					105,000.00	105,000		105,000
		Elevator - Battery Lowering	1.00 Is					1,300.00	1,300		1,300
		Elevator - #4 Stainless Steel Hoistway entrances	3.00 Is					1,300.00	3,900		3,900
		Elevator - Controller software for car based card reader	1.00 Is					1,250.00	1,250		1,250
		Elevator - Operator Time	12.00 hr					235.00	2,820		2,820
210000	FIRE SUPPRESSION										
		Fire-Suppression Sprinkler Systems									
211300	Fire-Suppression Sprinkler Systems										
		Sprinkler Subcontractor	189,100.00 sf					3.75	709,125		709,125
213000	Fire Pumps										
		Diesel Fire Pump	Is							Excluded	
220000	PLUMBING										
		Plumbing									
		Plumbing - Equipment	189,100.00 sf					1.50	283,650		283,650
		Plumbing - Fixtures	189,100.00 sf					2.50	472,750		472,750
		Plumbing - Pipe & Fittings	189,100.00 sf					7.95	1,503,345		1,503,345
		Plumbing - Misc.	1.00 Is					76,000.00	76,000		76,000
230000	HVAC										
		HVAC									

CONSTRUCTION COSTS (CONT.)—NEW NASHUA MIDDLE SCHOOL

SECTION 5: FINANCIAL ANALYSIS

Group	Phase	Description	Takeoff Quantity	Labor Cost/Unit	Labor Amount	Material Cost/Unit	Material Amount	Sub Cost/Unit	Sub Amount	Sub Name	Total Amount		
230100	HVAC	HVAC Piping	189,100.00 sf	-	-	-	-	4.80	907,680		907,680		
		Temp HVAC & Plumbing Hookups	1.00 ls	-	-	-	-	25,000.00	25,000		25,000		
		HVAC Equip., Pumps, Radiant Heat at 3-levels, UH's	189,100.00 sf	-	-	-	-	3.00	567,300		567,300		
		Passive Radon Ventilation System (Excluding Fans)	100,000.00 sf	-	-	-	-	1.00	100,000		100,000		
		Pipe Insulation	189,100.00 sf	-	-	-	-	3.00	567,300		567,300		
		Air Distribution	189,100.00 sf	-	-	-	-	11.00	2,080,100		2,080,100		
		Ductwork	1.00 ls	-	-	-	-	2,172,000	2,172,000		2,172,000		
		Automatic Temperature Control	189,100.00 sf	-	-	-	-	4.50	850,950		850,950		
		Test & Balance	189,100.00 sf	-	-	-	-	0.50	94,550		94,550		
		Misc. HVAC (Coord., BIM, Firestop, Start-up, Seismic, Rigging)	1.00 ls	-	-	-	-	228,000.00	228,000		228,000		
		230150	Equipment	Temporary Heat	8.00 mnth	4,000.00	32,000	30,000.00	240,000				272,000
				ELECTRICAL									
		260100	Electrical	Normal Power, Gear, & Distribution	189,100.00 sf	-	-	-	-	4.00	756,400		756,400
				300kW Generator, Gear & Distribution	1.00 ls	-	-	-	-	472,500.00	472,500		472,500
				Temp Electrical Hookups	1.00 ls	-	-	-	-	25,000.00	25,000		25,000
Concrete encased UG Conduits	ls			-	-	-	-	-	Excluded	235,800	235,800		
Misc Site Electrical (Riser, Secondary, Lighting & Security)	1.00 ls			-	-	-	-	5,000.00	5,000		5,000		
Infrastructure for future PV system	1.00 ls			-	-	-	-	1.75	330,925		330,925		
Equipment wiring	189,100.00 sf			-	-	-	-	5.35	1,011,685		1,011,685		
LED Lighting & Controls	189,100.00 sf			-	-	-	-	4.90	926,590		926,590		
Branch Devices & Circuitry	189,100.00 sf			-	-	-	-	1.75	330,925		330,925		
Fire Alarm System	189,100.00 sf			-	-	-	-	0.50	94,550		94,550		
BDA System	189,100.00 sf			-	-	-	-	1.00	189,100		189,100		
Tel/Data/CATV Rough (Boxes & Conduit only)	189,100.00 sf			-	-	-	-	1.50	283,650		283,650		
Tel/Data/CATV (Devices & Cabling)	189,100.00 sf			-	-	-	-	3.00	567,300		567,300		
PA / Clock / Security Systems	189,100.00 sf			-	-	-	-	0.35	66,185		66,185		
AV Rough-in and Power	189,100.00 sf			-	-	-	-	40,000.00	40,000		40,000		
Sound Systems (Music, Band, Gym & Cafe)	1.00 ls	-	-	-	-	125,000.00	125,000		125,000				
Theatrical Lighting & Dimming - ALLOWANCE	1.00 ls	-	-	-	-	2,200.00	2,200		2,200				
Speech Reinforcement System	70.00 ea	-	-	-	-	90,000.00	90,000		90,000				
Temporary Power & Lights	1.00 ls	-	-	-	-	155,000.00	155,000		155,000				
Coordination, Proj. Mgt., Commissioning, Fees, Permits	1.00 ls	-	-	-	-	-	-	Excluded	-	-			
Lighting Protection	ls	-	-	-	-	-	-	Excluded	155,000	155,000			
310000	EARTHWORK	Earthwork											
		Stework Sub - Disturbed area Onsite	560,000.00 sf	-	-	-	-	1.50	840,000		840,000		
		Stework Sub - General Prep Access Road(s)	75,000.00 sf	-	-	-	-	2.00	150,000		150,000		
		Onsite Improvements Allowance	1.00 ls	-	-	-	-	50,000.00	50,000	Allowance	50,000		
		Excavation and Backfill											
		Building E&B, Selects, drains	100,000.00 sf	-	-	-	-	3.60	360,000		360,000		
		Drainage Pipe, Structures, E&B (Excludes Frac Tanks)	1.00 ls	-	-	-	-	375,000.00	375,000		375,000		
		Water Lines to Building	1.00 ls	-	-	-	-	150,000.00	150,000		150,000		
		12" Fire Loop & Hydrants	1.00 ls	-	-	-	-	157,000.00	157,000		157,000		
		Extend Water Main to Buckmeadow	870.00 lf	-	-	-	-	86.21	75,000		75,000		
		Sanitary Sewer Pipe, E&B (150 LF)	1.00 ls	-	-	-	-	70,000.00	70,000		70,000		
		Open Ledge Removal - Allowance	7,500.00 cy	-	-	-	-	105.00	787,500	Allowance	787,500		
		Trench Ledge Removal - Allowance	4,300.00 cy	-	-	-	-	250.00	1,075,000	Allowance	1,075,000		
		Electrical E&B (Primary, Secondary, Site Lighting & Bases, UGT, CATV)	1.00 ls	-	-	-	-	70,000.00	70,000		70,000		
		320000	EXTERIOR IMPROVEMENTS	Paving & Selects									
Asphalt Paving - Roads & Lots (138,800 sf) 4"	3,470.00 tons			-	-	-	-	195.00	676,650		676,650		
Asphalt Paving - Sidewalks (6,146 sf) 3"	116.00 tons			-	-	-	-	210.00	24,360		24,360		
Asphalt Paving - Sidewalks Access Rd & Buckmeadow (3,675 sf) 3"	69.00 tons			-	-	-	-	210.00	14,490		14,490		

CONSTRUCTION COSTS (CONT.)—NEW NASHUA MIDDLE SCHOOL

SECTION 5: FINANCIAL ANALYSIS

Group	Phase	Description	Takeoff Quantity	Labor Cost/Unit	Labor Amount	Material Cost/Unit	Material Amount	Sub Cost/Unit	Sub Amount	Sub Name	Total Amount
321200		Paving & Selects									
		Asphalt Paving - Emerg. Access Rd. to Roundabout (6.178 sf) 4"	155.00 tons	-	-	-	-	195.00	30,225		30,225
		Asphalt Paved Running Track around Soccer Field (Not regulation size)	1.00 ls	-	-	-	-	265,000.00	265,000		265,000
321500		Curbs									
		Vertical Granite Curb	4,250.00 lf	-	-	-	-	25.00	106,250		106,250
321650		Site Concrete									
		Transformer Pad	1.00 ls	-	-	-	-	2,000.00	2,000		2,000
		Dumpster Pad	200.00 sf	-	-	-	-	10.00	2,000		2,000
		Generator Pad	100.00 sf	-	-	-	-	10.00	1,000		1,000
		Pre-Cast Light Pole Base	30.00 ea	-	-	-	-	650.00	19,500		19,500
321800		Athletic and Recreational									
		Ball Fields & Athletic Courts	135,800.00 sqft	-	-	-	-	2.00	271,905		271,905
		Underdrains at Grass Fields	1.00 ls	-	-	-	-	160,000.00	160,000		160,000
		Running Track Surfacing & Markings (Not regulation size)	35,000.00 sqft	-	-	-	-	9.00	315,000		315,000
323100		Fences and Gates									
		Chain Link Fence around playing fields	2,700.00 lmt	-	-	-	-	20.00	54,000		54,000
		Gates in Chain Link Fence	10.00 each	-	-	-	-	600.00	6,000		6,000
323125		Site Structures									
		Granite Seatwalls at Cafe & Classroom courtyards & Main Entrance	435.00 lf	-	-	-	-	300.00	130,500		130,500
		Concrete Unit Pavers - Cafe Courtyard	2,300.00 sf	-	-	-	-	18.00	41,400		41,400
323200		Retaining Walls									
		Retaining Wall Sub (8500 sf)	1.00 ls	-	-	-	-	360,000.00	360,000		360,000
328000		Irrigation									
		Irrigation Subcontract	1.00 ls	-	-	-	-	50,000.00	50,000		50,000
329000		Landscaping									
		Landscaping Subcontract	1.00 ls	-	-	-	-	75,000.00	75,000		75,000
		Hydro-Seeding	176,500.00 sf	-	-	-	-	0.07	12,355		12,355
		Sodding at Athletic Fields	109,000.00 sf	-	-	-	-	0.50	54,500		54,500
330000		UTILITY CONNECTION ALLOWANCES									
331000		Water Utilities									
		Water Main Connection Fee (Pennichuck)	1.00 ls	-	-	-	-	0.00	0	Allowances Excluded	0
		Tapping Fee	ls	-	-	-	-	0.00	0	Allowances Excluded	0
		Fire Hydrant	5.00 each	-	-	-	-	5,000.00	25,000		25,000
		Meter Fee	ls	-	-	-	-				
332000		Traffic Control at Entrance									
		Traffic Signage Allowance	1.00 ls	-	-	-	-	50,000.00	50,000	Allowances Excluded	50,000
333000		Sanitary Sewer Utilities									
		Sanitary Sewer Connection Fee (TBD?)	1.00 ls	-	-	-	-	0.00	0	Allowances Excluded	0
335000		New Gas Line									
		Gas Line Connection Fee (No Fee Required by Liberty Utilities)	1.00 ls	-	-	-	-			Excluded	
		Extend Gas Line to Buckmeadow	1.00 ls	-	-	-	-	0.00	0	Allowances Excluded	0
337000		Electrical Utilities									
		3-Phase Conn. Fee Primary Elec. (Eversource) - From Cherrywood/Buckmeadow Intersection	1,800.00 lf	-	-	-	-	100.00	180,000		180,000
		Primary Electric - Underground Conductors (Eversource)	400.00 lf	-	-	-	-	50.00	20,000		20,000
		Primary Electric - Tree Trimming on Buckmeadow (Eversource)	1,200.00 lf	-	-	-	-	10.00	12,000		12,000
2700100		Transformer Fees (By Owner)									
		Communications Utility	ls	-	-	-	-			Excluded	
		IT Infrastructure (Consolidated Communications)	1.00 ls	-	-	-	-	0.00	0	Allowances Excluded	0

Estimate Totals

CONSTRUCTION COSTS (CONT.)—NEW NASHUA MIDDLE SCHOOL

SECTION 5: FINANCIAL ANALYSIS

Estimate Totals

Description	Amount	Totals	Hours	Rate	Cost Basis per Unit	Percent of Total
Labor	1,927,835		##### hrs		10.195 /sf	3.05%
Material	2,400,686				12.695 /sf	3.80%
Subcontract	#####				253.846 /sf	75.94%
Equipment			2,319,990 hrs			
Other	#####	52,330,796			276.736 /sf	82.79
Performance Services %	130,827			0.250 %	0.692 /sf	0.21%
Performance & Payment Bond	380,136				2.010 /sf	0.60%
Builders Risk Insurance	79,009			1,250 \$ / #####	0.418 /sf	0.12%
General Liability & Umbrella P	439,289			0.695 %	2.323 /sf	0.69%
CM Fee %	1,106,123			1.750 %	5.849 /sf	1.75%
Software Licenses	81,411			0.129 %	0.431 /sf	0.13%
CM Contingency %	1,636,428			3.000 %	8.654 /sf	2.59%
Design Contingency %	4,494,721			8.000 %	23.769 /sf	7.11%
Escalation 2021 Start	2,528,281			4.000 %	13.370 /sf	4.00%
Total		63,207,021			334.252 /sf	

NASHUA PROJECT BUDGET

SECTION 5: FINANCIAL ANALYSIS

The project budget for each of the schools can be found on the following pages.

NASHUA PROJECT BUDGET (CONT.)—EMS
SECTION 5: FINANCIAL ANALYSIS

Elm Street MS Renovations and Additions

(Updated 10-8-19)

Summer 2021 Start

Construction	Hard Construction Costs (Harvey Estimate 8-30-2019)	\$72,147,838
	Construction Inflation Allowance	\$0 In Harvey Es
	Add Alternate - Cooling in 1936 & 1961 Buildings	\$1,300,000
	Existing System Enhancement (Security, Projection)	\$300,000
	CM Pre-Construction Services	\$40,000
	Furnishings, Fixtures & Equipment	\$4,000,000
	Architectural Services (6.75% of GMP)	\$4,977,979
	Architect Contingency (3%)	\$2,203,435
	Reimbursables (5% of Architect's Fee)	\$248,899
	FF&E Fees	\$162,000
	Information Technology Infrastructure (3%)	\$2,164,435
	Portable Classrooms for Swing Space	\$1,200,000
	Surveying & Geotech Services	\$100,000
	Industrial Hygienist	\$100,000
	Relocation/Temporary Storage/Moving Expenses	\$600,000
	Commissioning Services	\$150,000
	Soils & Structural Testing	\$100,000
	Miscellaneous	\$75,000
	Owner's Contingency (5% of Hard Construction)	<u>\$3,607,392</u>
	Total Project Cost	<u>\$93,476,978</u>

Note: Above costs do not include renovations to the Keefe Auditorium beyond adding bathrooms and replacing ventilation system. They also do not include any legal costs, including any potential land acquisition.

NASHUA PROJECT BUDGET (CONT.)—NEW NASHUA MIDDLE SCHOOL
SECTION 5: FINANCIAL ANALYSIS

New MS

(Updated 10-8-19)

Summer 2021 Start

Construction	Hard Construction Costs (Harvey Estimate 10-7-2019)	\$63,207,021
	Construction Inflation Allowance	\$0 In Harvey Es
	CM Pre-Construction Services	Included
	Furnishings, Fixtures & Equipment	\$3,160,351
	Architectural Services (5.5% of GMP)	\$3,476,386
	Architect Contingency (3%)	\$1,896,211
	Reimbursables (5% of Architect's Fee)	\$173,819
	FF&E Fees	\$162,000
	Information Technology Infrastructure (3%)	\$1,896,211
	Surveying & Geotech Services	\$100,000
	Moving Expenses	\$600,000
	Commissioning Services	\$200,000
	Soils & Structural Testing	\$100,000
	Owner's Contingency (5% of Hard Construction)	\$3,160,351
	Total Project Cost	\$78,132,350

Note: Does not include land acquisition costs.

Additional District SPED Program	Add	\$4,810,956
----------------------------------	-----	--------------------

NASHUA PROJECT BUDGET (CONT.)—FMS
SECTION 5: FINANCIAL ANALYSIS

Fairgrounds MS Renovation Estimate

(Updated 10-8-19)

Summer 2021 Start

Construction	Hard Construction Costs (Harvey Estimate 10-7-2019)	\$8,567,490
	Construction Inflation Allowance	\$0 In Harvey Es
	Existing System Enhancement (Security, Projection)	\$300,000
	CM Pre-Construction Services	\$40,000
	Furnishings, Fixtures & Equipment	\$428,375
	Architectural Services (6.75% of GMP)	\$598,556
	Architect Contingency	\$266,025
	Reimbursables (5% of Architect's Fee)	\$29,928
	FF&E Fees	\$162,000
	Information Technology Infrastructure	\$266,025
	Portable Classrooms for Swing Space	\$600,000
	Surveying & Geotech Services	\$50,000
	Industrial Hygienist	\$50,000
	Relocation/Temporary Storage/Moving Expenses	\$150,000
	Commissioning Services	\$60,000
	Soils & Structural Testing	\$50,000
	Miscellaneous	\$75,000
	Owner's Contingency (5% of Hard Construction)	\$428,375
	Total Project Cost	\$12,121,772

.....

NASHUA PROJECT BUDGET (CONT.)—PMS

SECTION 5: FINANCIAL ANALYSIS

Pennichuck MS Renovation Estimate

(Updated 10-8-19)

Summer 2021 Start

Construction	Hard Construction Costs (Harvey Estimate 10-7-2019)	\$19,074,729
	Construction Inflation Allowance	\$0 In Harvey Estim
	Existing System Enhancement (Security, Projection)	\$300,000
	CM Pre-Construction Services	Included
	Furnishings, Fixtures & Equipment	\$953,736
	Architectural Services (6.75% of GMP)	\$1,307,794
	Architect Contingency (3%)	\$581,242
	Reimbursables (5% of Architect's Fee)	\$65,390
	FF&E Fees	\$162,000
	Information Technology Infrastructure (3%)	\$581,242
	Surveying & Geotech Services	\$50,000
	Industrial Hygienist	\$50,000
	Relocation/Temporary Storage/Moving Expenses	\$300,000
	Commissioning Services	\$125,000
	Soils & Structural Testing	\$50,000
	Miscellaneous	\$75,000
	Owner's Contingency (5% of Hard Construction)	\$968,736
	Total Project Cost	\$24,644,870

