MONADNOCK REGIONAL SCHOOL DISTRICT

FACILITY AND SPACE NEEDS
ASSESSMENT STUDY

ADDENDUM 1 – REVISED

NOVEMBER 30, 2020



DETAILED OPTIONS COMPARISONS

The Monadnock Regional School District is a diverse and sprawling school district. Finding a solution to the building issues that satisfies all is difficult. These options are meant to show a logical thought process that explores the possibilities. The final recommendation is the option that in this writer's opinion best addresses the needs at a reasonable cost.

The ten options are meant to show a natural progression of thought from the current situation through conclusions that offer a range of possibilities. Each option is reviewed for their positive and negative aspects and the cost differences. It is well understood that the District is unlikely to support any construction project that does not make financial sense. This process is intended to evaluate each option fairly and completely using the best data available at the time.

Core to the cost evaluation are the construction cost estimates and the Life-Cycle Cost Analysis worksheets. The construction cost estimates include both Hard and Soft costs to ensure complete and reasonable estimate. Hard costs are based on the NH State Department of Education FY 2020 Maximum Allowable Costs for School Construction of \$182 per square foot for an elementary school in Cheshire County. This is then modified by 10% to account for inflation for two years. The result is a cost for construction of \$200 per square foot. Other Hard costs are the site development and earthwork. These are much more difficult to estimate. What has been used is reasonable estimate based on this writer's experience.

The Life-Cycle costs are a combination of Building Needs, Utilities, Human Resources and Financial costs. Many of these numbers are estimates but as much as possible these are researched and reasonable if not conservative. They are applied fairly across options so that if there is a mistake, it is unlikely that it would cause a change in the outcome.

The Building Needs and Utilities are relatively easy to explain. The Building Needs are the issues identified in the Building Needs Assessment Study. The Utilities are the current and projected costs for heating and electricity. Mt Caesar has recently gone through heating and electrical renovations, so there is data to show what the cost difference would be if other schools also went through similar renovations. For new construction is there is data from other districts or regional and national indexes.

The costs for Human Resources are more difficult to predict but is rooted in studies and common sense. The concept is that an existing, older, poorly designed facilities with less quality materials will be less efficient for the staff and less productive for students. For an example; a new school with new and more durable materials will take less time to clean than an older school. Another example; teachers and students that work in a classroom that is well-lit, well ventilated with a comfortable temperature, will be more productive and less likely to be out sick. The savings for not having as many substitute teachers can be calculated. Also included in Human Resources is the cost of bussing which has dramatically increased in recent years. The distance that

students travel to get to school is significant and so is the cost. Options that increase the amount of students being bused can increase the cost of bussing to amounts similar to the cost of the bonds for construction and so needs to be carefully considered.

The Financial costs refer to the cost of financing a bond but also includes the value of existing buildings that could be included in the tax base. The cost of the bond comes in two parts; the principal payment and the interest. Most bonds are level principal so the interest payments actually decline over time. In 10 years the interest would be half of the first year's payment on a 20-year bond. In some options where there is consolidation of schools, the existing building is assumed to be repurposed and therefore gives value that offsets some of the costs. For the analysis the value of the sale of the property is not calculated but the potential property tax revenue is. Very conservative values of roughly \$30 per square foot are used.

The Life-Cycle cost projections are limited to 10 years. After more than 10 years it becomes increasingly difficult to predict building upgrade needs. This is when even new construction would start to need regular maintenance. A 10-year horizon does not cover the entire bond repayment which typically is 20 years, however after 10 years the bond payments are considerably less and also the population and valuation will have likely changed. New residents 10 years out will share the cost of the bond and it is likely property values will increase and negate some of the tax impact. The differences of the different options after 10 years is impossible to predict and possibly not significant.

Demographics should also influence the selection of the recommended option. Swanzey represents fully half of the districts population and therefor is the gravitational center of the district. The Middle School and the High School are located here. Fitzwilliam and Troy each represent about 16% of the population and Richmond 8% with these three towns together representing about 40% of the population.

Troy's town center is the most densely populated region. Swanzey is made up of several villages including East Swanzey and the largest, West Swanzey. The Middle School, High School and Mt Caesar Elementary are located between these villages about 3 miles from each center.

Lastly, inflation is added to all the numbers with a factor of 2.9% per year. Overall the district has seen an increase in energy costs by approximately 10 % a year for the last four years. Energy performance will have an even larger impact if energy costs continue to rise. Bond interest rates have averaged around 2.5% per year but had dropped even lower in 2020 to the lowest rates published by the NH Municipal Bond Bank. There is no guarantee that bond rates will stay low but there is little indication in the market that they are going up any time soon. With inflation and energy costs rising at the rate higher than inflation, there is a great incentive to borrow money for needed improvements.

The success of any option is likely tied to receiving State Building Aid. The rate for the Monadnock Regional School District is currently 54% which is paid up-front thus reducing the need for a bond. There are some restrictions and it is possible that some options would receive less aid or even risk not being funded at all. The State Department of Education is encouraging the implementation of certain factors

including; consolidation, solving life safety problems, energy efficiency, reuse of historic structures and other items. Options that contain the most of these factors are more likely to receive Building Aid.

OPTIONS

The options start with the simplest of scenarios and increase in complexity and explores alternatives.

Option 1 - Do Nothing

This is obviously not a viable option because it does nothing to solve the problems identified in the schools. What is important however is to note that "doing nothing" actually has a cost. The schools will cost more to heat, staff will spend more time cleaning and maintaining the buildings and teachers and students will be less productive. These added costs can be estimated and should be used as a benchmark when comparing to other options.

BUILDING PROJECT COST	=	\$0
STATE BUILDING AID	=	\$0
BOND AMOUNT	=	\$0
LIFE -CYCLE, 10YR COSTS	=	\$28,116,227

Option 2 - Upgrades Over 10 Years

This option is the "pay as you go" option. Common Sense might suggest that this is the most financially responsible option but that ignores a number of factors. First of all, inflation in construction and energy are outpacing the bond interest. By locking in a low interest rate bond, the value of the construction is locked in for 20 years. Also, by putting off needed improvements the district is denied the benefits of lower energy bills and better teacher and student performance. The result is a much higher long-term cost.

Building Aid is assumed to not be available due to the projects being paid through the operating budget. If Building Aid is available it would be limited by rules setting maximum size and cost of projects. Emerson and Gilsum would only be allowed a small amount of state aid due to the fact that they have received large additions within the last 50 years that received Building Aid.

BUILDING PROJECT COST	=	\$0
STATE BUILDING AID	=	\$??
BOND AMOUNT	=	\$0
LIFE -CYCLE, 10YR COSTS	=	\$47,763,930

Option 3 – Additions/Renovations District Wide in One Year

This option performs all upgrades of Option 2 in one year by financing it through a bond. By combining all the district needs into one project there is an economy of scale. As mentioned in Option 2, the cost of the interest on the bond is lower than the cost of inflation. Add to that the benefit of better facilities on maintenance and performance and the net cost of this option is much lower than doing the projects over time.

As in Option 1, State Building Aid would be limited in this scenario. Some facilities have received Building Aid in the last 50 years and those projects need to be deducted from the square foot of new construction financed by State Aid. The State also requires that renovations not exceed 60% of the value of the existing building. Renovations at Gilsum and Troy exceed 60% of their current value.

BUILDING PROJECT COST	=	\$18,354,000
STATE BUILDING AID	=	\$9,179,198
BOND AMOUNT	=	\$11,010,642
LIFE -CYCLE, 10YR COSTS	=	\$32,641,912

Option 4 – New South Elementary, Additions/Renovations North Schools

Due to the demographics and the relatively small size of Emerson and Troy it makes sense to combine these schools into one. Both Emerson and Troy have numerous upgrades making a new school somewhat close in cost. If both buildings can be repurposed it is possible to see revenue from the property taxes. The efficiency of a new school adds to the savings. Most importantly this option meets many of the States criteria for Building Aid and is more likely to receive aid than the previous options.

This option does not address all the needs and most notably does not make any change to the site at Cutler.

BUILDING PROJECT COST	=	\$25,341,000
STATE BUILDING AID	=	\$10,210,947
BOND AMOUNT	=	\$17,172,242
LIFE -CYCLE, 10YR COSTS	=	\$35,247,428

Option 5 – New South Elementary, Additions/Renovations to Mt Caesar for North School for Swanzey, Additions/Renovations to Gilsum

Like Option 4, this consolidates Fitzwilliam and Troy into one new school but here Cutler is moved to the Mt Caesar site to create one school for Swanzey. This would be a relatively easy change for Swanzey since Cutler and Mt Caesar already share the same students split by grade. A single school for Swanzey would benefit the students since there would not be the transition to a new school at third grade.

BUILDING PROJECT COST	=	\$29,420,000
STATE BUILDING AID	=	\$12,454,397
BOND AMOUNT	=	\$19,456,482
LIFE -CYCLE, 10YR COSTS	=	\$34,918,485

Option 6 – New Single Consolidated Elementary School

A common sense approach might be to consolidate all the elementary school students into one central school building. This would simplify administration and maintenance. However, the experience for the students would probably not be as favorable. The school would need to hold over 1000 students which is very large for elementary ages. It would also be a very intense use for the site which would most likely be the Mt Caesar site. Also, an important point to consider is that almost all students would need transportation and thus dramatically increase the cost of bussing and burden the system.

The State caps Building Aid on the number of square feet per student minus any previous projects that already received Building Aid. This results in all-new construction receiving less Aid than projects that reuse buildings.

BUILDING PROJECT COST	=	\$31,860,000
STATE BUILDING AID	=	\$11,556,954
BOND AMOUNT	=	\$22,614,437
LIFE -CYCLE, 10YR COSTS	=	\$37,221,168

Option 7 – New South Elementary, Additions/Renovations to Mt Caesar for North School, Redistrict

This option consolidates five schools down to two by closing four schools and building one new on. A new South Elementary would be constructed somewhere central to Troy, Richmond and Fitzwilliam, and Mt Caesar would receive additions and renovations to make a North Elementary. These two schools would be equal in size making them efficient to staff and operate. This also provides the most equivalent experience for students throughout the district. It does require that students are distributed equally meaning that some students from Swanzey would likely attend the South School.

As in Option 6, State Building Aid is reduced due to previous projects having to be deducted from the amount of new construction allowed. Even still, the savings for the improved efficiency make this option only 10% higher over 10 years than the baseline "Do Nothing" option.

BUILDING PROJECT COST	=	\$25,528,000
STATE BUILDING AID	=	\$11,375,709
BOND AMOUNT	=	\$16,427,432
LIFE -CYCLE, 10YR COSTS	=	\$32,738,665

Option 8 – Additions/Renovations to Troy for South Elementary, Additions/Renovations to Mt Caesar for North School, Redistrict

This option is similar to the previous in that it consolidates the district into just two elementary schools, one North located at Mt Caesar and one South, now located at Troy. It preserves the Troy school which is a historic building. This option is as efficient as Option 7 for operations.

The existing Troy school can be challenging to work with, but it also gives some unique opportunities. The existing building is 3-stories which keeps the footprint of the building small. If a 3-story addition were constructed to replace the 1-story wing, it is possible to have a much larger facility that does not occupy more area than it currently does.

BUILDING PROJECT COST	=	\$22,575,000
STATE BUILDING AID	=	\$11,091,909
BOND AMOUNT	=	\$13,701,472
LIFE -CYCLE, 10YR COSTS	=	\$32,106,010

Option 9 – Additions/Renovations to Mt Caesar to Combine Swanzey and Troy, Addition/Renovations to Emerson and Gilsum

The concept for this option is to close Troy and Cutler which are considered the two schools in the most need and to consolidate them onto the Mt Caesar site. This affords some economy of scale and preserves Emerson and Gilsum as neighborhood schools which has been voiced as a priority.

The new Mt Caesar however would be very large for an elementary school and some of the expected economy of scale is lost due to being over-sized. Also, this ensures a dramatic increase in bussing with all of Troy needing transportation.

BUILDING PROJECT COST	=	\$22,137,000
STATE BUILDING AID	=	\$11,259,848
BOND AMOUNT	=	\$13,129,122
LIFE -CYCLE, 10YR COSTS	=	\$35,082,939

Option 10 – Town Schools, Combine Cutler with Mt Caesar onto One Swanzey School on the Mt Caesar Site

This concept looks at keeping a school active in each town that currently has a school. The only school to be closed would be Cutler which has the most difficult site. This would be an easy transition since Cutler and Mt Caesar already take all Swanzey students but at different grades. Town identity and school pride would be preserved. There is the possibility that Troy could expect growth due to planned residential developments and this gives the ability to absorb additional students there.

There would be increased cost due to multiple buildings but also a reduced cost for bussing over other options that close more schools. Also, this ensures a dramatic increase in bussing with all of Troy needing transportation.

BUILDING PROJECT COST	=	\$22,433,000
STATE BUILDING AID	=	\$11,422,648
BOND AMOUNT	=	\$13,294,882
LIFE -CYCLE, 10YR COSTS	=	\$32,312,968

RECOMMENDATION

It is clear the cost of upgrading the Monadnock Regional School District facilities can be done cost effectively. The cost of doing nothing or trying to pay-as-you-go can be expensive and does not give the benefits of upgraded facilities right away. Which option is best can be a matter of opinion and subject to intangible influences.

In general, the concept of two schools, one North in the district and one South in the district meets the needs within a reasonable cost. However, where to put the South school is a difficult question to answer.

Worth considering is Option 10 that keeps a school open in each town. This addresses the need that has been voiced for local control and pride in the schools. It also reduces the amount of busing which saves costs and the amount of time students spend commuting.

End Report



Student Enrollment per Option

			Student Capacity						
1		Cutler	Emerson	Gilsum	Mt Caesar	Troy	New	Total	
Option #1	Do Nothing	300	200	100	250	200		1,050	
Option #2	Additions / Renovations Over Ten Years.	300	200	100	250	200		1,050	
Option #3	Additions / Renovations District Wide in One Year	300	200	100	250	200		1,050	
Option #4	New South Elementary, Additions / Renovations to North Schools	300		100	250		400	1,050	
Option #5	New South Elementary, Add/Reno to Mt Caesar for Swanzey, Add/Reno to Gilsum			100	550		400	1,050	
Option #6	Consolidate all Elementary onto Mt Caesar Site						1,050	1,050	
Option #7	New South Elementary and Mt Caesar North with Redistricting				525		525	1,050	
Option #8	Troy South Elementary and Mt Caesar North with Redistricting				525	525		1,050	
	NA Constitution of the Con								
Option #9	Mt Caesar Swanzey/Troy, Emerson and Gilsum Remain		200	100	750			1,050	
Option #10	Town Schools		200	100	550	200		1,050	

Total Building Project Cost per Option

			Building Project Costs								Total	
1		Cutle	r	E	merson		Gilsum	N	Mt Caesar	Troy	New	Total
Option #1	Do Nothing											\$ -
Option #2	Renovations and Additions Over Ten Years.											\$ -
Option #3	Additions/Renovations District Wide in One Year	\$ 3,86	0,000	\$	2,474,000	\$	4,437,000	\$	1,385,000	\$ 6,198,000		\$ 18,354,000
Option #4	New South Elementary, Additions/Renovations to North Schools	\$ 3,86	0,000			\$	4,437,000	\$	1,385,000		\$ 15,659,000	\$ 25,341,000
Option #5	New South Elementary, Mt Caesar North Elementary, Add/Reno to Gilsum					\$	4,437,000	\$	9,324,000		\$ 15,659,000	\$ 29,420,000
Option #6	Consolidate all Elementary onto Mt Caesar Site										\$ 31,860,000	\$ 31,860,000
Option #7	New South Elementary and Mt Caesar North with Redistricting							\$	8,028,000		\$ 17,500,000	\$ 25,528,000
Option #8	Troy South Elementary and Mt Caesar North with Redistricting							\$	8,028,000	\$ 14,547,000		\$ 22,575,000
Option #9	Mt Caesar Swanzey/Troy, Emerson and Gilsum Remain			\$	2,474,000	\$	4,437,000	\$	15,226,000			\$ 22,137,000
Option #10	Town Schools			\$	2,474,000	\$	4,437,000	\$	9,324,000	\$ 6,198,000		\$ 22,433,000

State Building Aid per Option Comparison

		State Aid at 54%											Total
1			Cutler	ا	Emerson		Gilsum	١	∕It Caesar		Troy	New	Total
Option #1	Do Nothing												\$ -
Option #2	Renovations and Additions Over Ten Years.												\$ -
Option #3	Additions/Renovations District Wide in One Year	\$	2,123,000	\$	1,360,700	\$	1,524,848	\$	761,750	\$	3,408,900		\$ 9,179,198
Option #4	New South Elementary, Additions/Renovations to North Schools	\$	2,123,000			\$	1,524,848	\$	761,750			\$ 5,801,349	\$ 10,210,947
Option #5	New South Elementary, Mt Caesar North Elementary, Add/Reno to Gilsum					\$	1,524,848	\$	5,128,200			\$ 5,801,349	\$ 12,454,397
Option #6	Consolidate all Elementary onto Mt Caesar Site											\$ 11,556,954	\$ 11,556,954
Option #7	New South Elementary and Mt Caesar North with Redistricting							\$	4,415,400			\$ 6,960,309	\$ 11,375,709
Option #8	Troy South Elementary and Mt Caesar North with Redistricting							\$	4,415,400	\$	6,676,509		\$ 11,091,909
Option #9	Mt Caesar Swanzey/Troy, Emerson and Gilsum Remain			\$	1,360,700	\$	1,524,848	\$	8,374,300				\$ 11,259,848
Option #10	ion #10 Town Schools			\$	1,360,700	\$	1,524,848	\$	5,128,200	\$	3,408,900		\$ 11,422,648

Bond Cost per Option Comparison

		Bond Amount											Total
_		C	Cutler	-	Emerson		Gilsum	N	∕It Caesar		Troy	New	Total
Option #1	Do Nothing												\$ -
Option #2	Renovations and Additions Over Ten Years.												\$ -
Option #3	Additions/Renovations District Wide in One Year	\$ 2	2,161,600	\$	1,385,440	\$	3,217,122	\$	775,600	\$	3,470,880		\$ 11,010,642
Option #4	New South Flementary, Mt Caesar North		2,161,600			\$	3,217,122	\$	775,600			\$ 11,017,920	\$ 17,172,242
Option #5	New South Elementary, Mt Caesar North Elementary, Add/Reno to Gilsum					\$	3,217,122	\$	5,221,440			\$ 11,017,920	\$ 19,456,482
Option #6	Consolidate all Elementary onto Mt Caesar Site											\$ 22,614,437	\$ 22,614,437
Option #7	New South Elementary and Mt Caesar North with Redistricting							\$	4,495,680			\$ 11,931,752	\$ 16,427,432
Option #8	Troy South Elementary and Mt Caesar North with Redistricting							\$	4,495,680	\$	9,205,792		\$ 13,701,472
Option #9	Mt Caesar Swanzey/Troy, Emerson and Gilsum Remain			\$	1,385,440	\$	3,217,122	\$	8,526,560				\$ 13,129,122
Option #10	Town Schools			\$	1,385,440	\$	3,217,122	\$	5,221,440	\$	3,470,880		\$ 13,294,882

Life-Cylcle Cost Comparisons

			years	Total								
			Cutler	[Emerson	_	Gilsum	1	Mt Caesar	Troy	New	Total
Option #1	Do Nothing	\$	7,355,369	\$	5,807,799	\$	3,066,905	\$	6,918,912	\$ 4,967,242		\$ 28,116,227
Option #2	Renovations and Additions Over Ten Years.	\$	8,086,438	\$	8,216,513	\$	8,639,862	\$	9,128,314	\$ 13,692,803		\$ 47,763,930
Option #3	Additions/Renovations District Wide in One Year	\$	8,031,465	\$	6,047,724	\$	4,855,701	\$	7,418,793	\$ 6,288,229		\$ 32,641,912
Option #4	New South Elementary, Additions/Renovations to North Schools	\$	8,031,465			\$	4,855,701	\$	7,418,793		\$ 14,941,469	\$ 35,247,428
Option #5	New South Elementary, Mt Caesar North Elementary, Add/Reno to Gilsum					\$	4,855,701	\$	15,121,315		\$ 14,941,469	\$ 34,918,485
Option #6	Consolidate all Elementary onto Mt Caesar Site										\$ 37,221,168	\$ 37,221,168
Option #7	New South Elementary and Mt Caesar North with Redistricting							\$	14,603,739		\$ 18,134,926	\$ 32,738,665
Option #8	Troy South Elementary and Mt Caesar North with Redistricting							\$	14,603,739	\$ 17,502,271		\$ 32,106,010
	AM Course Course (True Francisco											_
Option #9	Mt Caesar Swanzey/Troy, Emerson and Gilsum Remain			\$	6,047,724	\$	4,855,701	\$	24,179,515			\$ 35,082,939
Option #10	Town Schools			\$	6,047,724	\$	4,855,701	\$	15,121,315	\$ 6,288,229		\$ 32,312,968

OPTION 1

DO NOTHING

Cutle	er Elementary Sch	ool		Option 1 -	Do Noth	ing					Life-Cy	cle Cost	Analysis
	Student Capacity		300	Year									
		Rates		1	2	3	4	5	6	7	8	9	10
	Division 0			-	-	-	-	-	-	-	-	-	-
	Division 1			-	-	-	-	-	-	-	-	-	-
	Division 2			-	-	-	-	-	-	-	-	-	-
	Division 3			-	-	-	-	-	-	-	-	-	-
	Division 4			-	-	-	-	-	-	-	-	-	-
	Division 5 Division 6			-	-	-	-	-	-	-	-	-	-
E	Division 7			-	-	-	-	-	-	-	-	-	-
BUILDING NEEDS	Division 8			_			_	_	_				
<u>8</u>	Division 9			_	_	_	_	_	_	_	_	_	_
⊒	Division 10			_	-	_	-	-	-	-	-	_	-
B	Division 11			_	-	_	_	-	_	-	-	-	_
	Division 12			_	-	_	_	-	_	-	-	-	_
	Division 13			-	-	-	-	-	-	-	-	-	-
	Division 14			-	-	-	-	-	-	-	-	-	-
	Division 15			-	-	-	-	-	-	-	-	-	-
	Division 16			-	-	-	-	-	-	-	-	-	-
	SUBTOTAL			-	-	-	-	-	-	-	-	-	-
	Water		0.20	7,154	7,362	7,575	7,795	8,021	8,254	8,493	8,739	8,993	9,254
	Electricity	\$	-	-	-		-	-	-	-	-	-	-
	Grid	\$	0.59	21,106	21,718	22,347	22,996	23,662	24,349	25,055	25,781	26,529	27,298
	On-Site Heating Fuel	\$	_	-	-	-	-	-	-	-	-	-	-
.IES	Oil		0.87	31,122	32,024	32,953	33,909	34,892	35,904	-			_
UTILITIES	Propane		0.80	51,122	-	32,333	-	34,632	-	33,972	34,958	35,971	37,015
5	Wood	Y	0.00	_	-	_	_	-	_	-	-	-	-
	Electricity			_	-	_	_	-	_	-	-	-	_
	Other	\$	_	-	-	-	-	-	-	-	-	-	-
	Cooking Fuel		0.02	715	736	758	780	802	825	849	874	899	925
	SUBTOTAL			60,097	61,840	63,633	65,479	67,378	69,332	68,370	70,352	72,393	74,492
	Cleaning		3.00	107,316	110,429	113,631	116,926	120,317	123,806	127,397	131,091	134,893	138,805
N SES	Repairs		0.30	10,732	11,043	11,363	11,693	12,032	12,381	12,740	13,109	13,489	13,880
ĕ ĕ	Productivity Loss		L.10%	14,756	15,184	15,624	16,077	16,544	17,023	17,517	18,025	18,548	19,086
HUMAN	Bussing	\$ 1	,600	452,760	465,890	479,401	493,303	507,609	522,330	537,478	553,064	569,103	585,607
~	SUBTOTAL			585,564	602,545	620,019	638,000	656,502	675,540	695,131	715,290	736,033	-
	Principal			585,564	602,545	620,019	638,000	656,502	6/5,540	695,131	/15,290	/36,033	757,378
Ä	Interest			_	-	-	_	-		-	_	_	_
Ϋ́	meer est			_	-	_	_	-	_	-	-	-	_
~				-	-	-	-	-	-	-	-	-	-
Ě	Tax Income			-	-	-	-	-	-	-	-	-	-
띪	Building Aid Reimbursemer	nt		-	-	-	-	-	-	-	-	-	-
PROPERTY & FINANCE				-	-	-	-	-	-	-	-	-	-
₾.	SUBTOTAL			-	-	-	-	-	-	-	-	-	-
		т	OTAL	645,661	664,386	683,653	703,479	723,880	744,872	763,501	785,642	808,426	831,870
			OIAL	043,001	004,380	083,033	703,473	723,880	744,072	703,301	703,042	800,420	031,070
											GI	RAND TOTAL	\$ 7,355,369
				Bond Amt: \$ Bond Term:	- 20		Building Size: Inflation:	34,764 2.90% *		Total Project Co State Aid Rate:	st:	\$ - 55%	Nominal
				Bond Rate:	1.67% **			\$ -		State Building A	id:	22,0	

^{*} Inflation based on current RS Means Historic Cost Index

^{**} Band Rate is last reported sale by the NH Municipal Bond Bank.

Eme	rson Elementary			Option 1 -	Do Noth	ing					Life-Cy	cle Cost A	Analysis
	Student Capacity		200	Year									
	Task	Rate	es	1	2	3	4	5	6	7	8	9	10
	Division 0			-	-	-	-	-	-	-	-	-	-
	Division 1			-	-	-	-	-	-	-	-	-	-
	Division 2			-	-	-	-	-	-	-	-	-	-
	Division 3			-	-	-	-	-	-	-	-	-	-
	Division 4			-	-	-	-	-	-	-	-	-	-
	Division 5			-	-	-	-	-	-	-	-	-	-
EDS	Division 6 Division 7			-	-	-	-	-	-	-	-	-	-
岁	Division 8							-		-		-	
BUILDING NEEDS	Division 9			_	_	_	_	_	_	_	_	_	_
	Division 10			-	_	_	-	_	-	-	_	-	-
B	Division 11			-	-	-	-	-	-	-	-	-	-
	Division 12			-	-	-	-	-	-	-	-	-	-
	Division 13			-	-	-	-	-	-	-	-	-	-
	Division 14			-	-	-	-	-	-	-	-	-	-
	Division 15			-	-	-	-	-	-	-	-	-	-
	Division 16			-	-	-	-	-	-	-	-	-	-
	SUBTOTAL Water		0.20	- 6.760	-	7 157	7 265	7.570	7 700	9.035	0.257	9.407	8,743
	Electricity	\$ \$	0.20	6,760	6,956	7,157	7,365	7,579	7,798	8,025	8,257	8,497	8,743
	Grid	\$	0.60	20,279	20,867	21,472	22,095	22,736	23,395	24,074	24,772	25,490	26,229
	On-Site	-	0.00	-	-	-	-	-	-	-	-	-	-
ω.	Heating Fuel	\$	-	-	-	-	-	-	-	-	-	-	-
UTILITIES	Oil	\$	0.82	27,715	28,519	-	-	-	-	-	-	-	-
₽	Propane	\$	0.80	-	-	28,630	29,460	30,314	31,194	32,098	33,029	33,987	34,972
	Wood	\$	0.40	-	-	-	-	-	-	-	-	-	-
	Electricity	\$	0.40	-	-	-	-	-	-	-	-	-	-
	Other	\$	-	-	-	-	-	-	-	-	-	-	-
	Cooking Fuel	\$	-		-	-	-	-	-	-	-	-	-
	SUBTOTAL	\$	2.00	54,754	56,341	57,260	58,920	60,629	62,387	64,196	66,058	67,974	69,945
S	Cleaning Repairs	\$ \$	3.00 0.30	101,396 10,140	104,336 10,434	107,362 10,736	110,475 11,048	113,679 11,368	116,976 11,698	120,368 12,037	123,859 12,386	127,451 12,745	131,147 13,115
A AN	Productivity Loss	Ţ	1.10%		14,346	14,762	15,190	15,631	16,084	16,551	17,031	17,524	18,033
Ϋ́	Bussing	\$	1,600	329,280	338,829	348,655	358,766	369,170	379,876	390,893	402,229	413,893	425,896
HUMAN		-	-,	-	-	-	-	-	-	-	-	-	-
	SUBTOTAL			454,757	467,945	481,515	495,479	509,848	524,634	539,848	555,504	571,613	588,190
μι	Principal			-	-	-	-	-	-	-	-	-	-
N N	Interest			-	-	-	-	-	-	-	-	-	-
È				-	-	-	-	-	-	-	-	-	-
∞ ∞													
Ē	Tax Income			-	-	-	-	-	-	-	-	-	-
PROPERTY & FINANCE				-	-	-	-	-	-	-	-	-	-
PRG	SUBTOTAL			-	-		-	-	-	-	-	-	-
	SUBTUTAL	-			-	-		-		-			-
			TOTAL	509,511	524,286	538,775	554,400	570,477	587,021	604,045	621,562	639,587	658,135
				,	ŕ	,	ŕ	,	,	•	,	•	•
											GF	AND TOTAL	\$ 5,807,799
							D 1111 C1	22.046		T			
				Bond Amt: \$ Bond Term:	20		Building Size: Inflation:	32,846 2.90% *		Total Project Cos State Aid Rate:	t: ;		Nominal
				Bond Term: Bond Rate:	20 1.67% **		Value Exist:	∠.90% *		State Aid Rate: State Building Aid	4.	55% ľ	NOTHING
				Dona nate.	1.0770		Tarde Exist.			State Building All			

^{*} Inflation based on current RS Means Historic Cost Index

^{**} Band Rate is last reported sale by the NH Municipal Bond Bank.

Gilsu	m STEAM A	Academy	/	Option 1	- Do Noth	ing					Life-Cy	cle Cost A	Analysis
	Student Capacity		100										
	- .			Year	2	_		-		_	•	•	10
	Task	Rat	ies	1	2	3	4	5	6	7	8	9	10
	Division 0 Division 1			-	-	-	-	-	-	-	-	-	-
	Division 2			-	-	-	-	-	-	-	-	-	-
	Division 3			-	-	-	-	-	-	-	-	-	-
	Division 4			-	-	-	-	-	-	-	-	-	-
	Division 5			_	-				_			_	
ω.	Division 6				_			_					
Ë	Division 7			_	_			_					_
BUILDING NEEDS	Division 8			_	_			_					_
S S	Division 9			_	_	_	_	_	_	_	_	_	_
₫	Division 10			_	_	_	_	_	_	_	_	_	_
B	Division 11			_	_	_	-	-	-	_	_	_	-
	Division 12			_	_	_	-	-	-	_	_	_	-
	Division 13			_	-	-	-	-	_	_	_	_	-
	Division 14			_	-	-	-	-	_	_	_	_	-
	Division 15			_	-	-	-	-	_	_	_	_	-
	Division 16			-	-	-	-	-	-	-	-	-	-
		JBTOTAL		-	-	-	-	-	-	-	-	-	-
	Water	\$	0.20	3,718	3,826	3,937	4,051	4,169	4,290	4,414	4,542	4,674	4,809
	Electricity	\$	-	-	-	-	-	-	-	-	-	-	-
	Grid	\$	0.85	15,803	16,261	16,733	17,218	17,718	18,231	18,760	19,304	19,864	20,440
	On-Site	-		-	-	-	-	-	-	-	-	-	-
S	Heating Fuel	\$	-	-	-	-	-	-	-	-	-	-	-
UTILITIES	Oil	\$	0.94	17,476	17,983	18,505	-	-	-	-	-	-	-
Ę	Propane	\$	0.80	-	-	-	16,205	16,675	17,159	17,657	18,169	18,696	19,238
	Wood	\$	0.40	-	-	-	-	-	-	-	-	-	-
	Electricity	\$	0.40	-	-	-	-	-	-	-	-	-	-
	Other	\$	-	-	-	-	-	-	-	-	-	-	-
	Cooking Fuel	\$	_	-	-	-	-	-	-	-	-	-	-
		JBTOTAL	2.00	36,998	38,071	39,175	37,475	38,562	39,680	40,831	42,015	43,233	44,487
ιo.	Cleaning	\$ \$	3.00	55,776	57,393	59,058	60,771	62,533	64,346	66,212	68,133	70,108	72,141
Z Ö	Repairs	\$	0.30	5,578	5,739	5,906	6,077	6,253	6,435	6,621	6,813	7,011	7,214
<u>₹</u> 2	Productivity Loss	\$	1.10%		7,892	8,120	8,356	8,598	8,848	9,104	9,368	9,640	9,919
HUMAN	Bussing	Ş	1,600	164,640	169,415	174,328 -	179,383	184,585	189,938	195,446	201,114	206,947	212,948
~	SI	JBTOTAL		233,663	240,439	247,412	254,587	261,970	269,567	277,384	285,428	293,706	302,223
	Principal	SOTOTAL		-	-	-	-	-	-	-	-	-	-
Ş	Interest			-	-	-	-	-	-	-	-	-	-
₹ Z				-	-	-	-	-	-	-	-	-	-
~													
~~	Tax Income			-	-	-	-	-	-	-	-	-	-
ER.				-	-	-	-	-	-	-	-	-	-
PROPERTY & FINANCE				-	-	-	-	-	-	-	-	-	-
4	SU	JBTOTAL		-	-	-	-	-	-	-	-	-	-
			TOTAL	270,661	278,510	286,587	292,062	300,532	309,247	318,215	327,443	336,939	346,710
											_		
											GI	RAND TOTAL	\$ 3,066,905
				Dand Amt	\$ -		Duilding Cire	10.060		Total Drainst C-	.ct.	\$ -	
				Bond Amt: Bond Term:	\$ - 20		Building Size: Inflation:	18,068 2.90% *		Total Project Co State Aid Rate:			Nominal
				Bond Rate:	1.67% **			\$ -		State Building A	id:	J370 I	NOTHINIAI
				Sona nate.	1.07/0		- GIGC LAISE.	¥ -		Julie Building P			

^{*} Inflation based on current RS Means Historic Cost Index

^{**} Band Rate is last reported sale by the NH Municipal Bond Bank.

Mt C	aesar Elementary			Option 1	- Do Noth	ing					Life-Cy	cle Cost A	٩nalysis
	Student Capacity		250	.,									
	Task F	Rate		Year 1	2	3	4	5	6	7	8	9	10
	Division 0			-	-	-	-	-	-	-	-	-	-
	Division 1			-	-	-	-	-	-	-	-	-	-
	Division 2			-	-	-	-	-	-	-	-	-	-
	Division 3			-	-	-	-	-	-	-	-	-	-
	Division 4			-	-	-	-	-	-	-	-	-	-
	Division 5			-	-	-	-	-	-	-	-	-	-
DS	Division 6			-	-	-	-	-	-	-	-	-	-
当	Division 7			-	-	-	-	-	-	-	-	-	-
BUILDING NEEDS	Division 8			-	-	-	-	-	-	-	-	-	-
	Division 9			-	-	-	-	-	-	-	-	-	-
불	Division 10			-	-	-	-	-	-	-	-	-	-
<u>—</u>	Division 11			-	-	-	-	-	-	-	-	-	-
	Division 12			-	-	-	-	-	-	-	-	-	-
	Division 13			-	-	-	-	-	-	-	-	-	-
	Division 14			-	-	-	-	-	-	-	-	-	-
	Division 15			-	-	-	-	-	-	-	-	-	-
	Division 16			-	-	-	-	-	-	-	-		
	SUBTOTAL Water	ć	0.20	7.024	- 0.151	0.207	- 0.630	- 0.000	0.120	- 0.403	0.676	- 0.056	- 10 245
		\$ \$	0.20	7,921	8,151	8,387	8,630	8,880	9,138	9,403	9,676	9,956	10,245
		۶ \$	0.75	29,703	20 565	31,451	22.262	22 201	24 267	25 261	26 204		38,418
	On-Site	Ş	0.75	29,703	30,565	31,431	32,363	33,301	34,267	35,261	36,284	37,336	30,410
		\$			-	-	-	-	-			-	-
UTILITIES		\$	_										_
늘		\$	0.39	15,446	15,894	16,354	16,829	17,317	17,819	18,336	18,867	19,415	19,978
5		\$	-	13,440	13,834	10,334	10,823	17,517		10,550	-	13,413	15,576
		\$	_										_
	•	\$	_	_		_		_					
		\$	-	_	_	_	_	_	_	_	_	_	_
	SUBTOTAL	Ţ		53,070	54,609	56,192	57,822	59,499	61,224	63,000	64,827	66,707	68,641
		\$	2.00	79,208	81,505	83,869	86,301	88,804	91,379	94,029	96,756	99,562	102,449
_ &		\$	0.20	7,921	8,151	8,387	8,630	8,880	9,138	9,403	9,676	9,956	10,245
I AN	Productivity Loss		0.90%	13,366	13,754	14,153	14,563	14,986	15,420	15,867	16,328	16,801	17,288
N 0			1,600	452,760	465,890	479,401	493,303	507,609	522,330	537,478	553,064	569,103	585,607
HUMAN	G,			-	-	-	-	· -	-	-	-	-	-
	SUBTOTAL			553,256	569,300	585,810	602,798	620,279	638,267	656,777	675,824	695,423	715,590
щ	Principal		5.00%	-	-	-	-	-	-	-	-	-	-
NA NA	Interest		1.67%	-	-	-	-	-	-	-	-	-	-
È				-	-	-	-	-	-	-	-	-	-
∞ ∞													
È	Tax Income			-	-	-	-	-	-	-	-	-	-
Ē				-	-	-	-	-	-	-	-	-	-
PROPERTY & FINANCE				-	-	-	-	-	-	-	-	-	-
ш	SUBTOTAL			-	-	-	-	-	-	-	-	-	-
			TOTAL	606 225	622,000	642,002	660,620	670 779	600 401	719,777	740,650	762 120	704 221
			IUIAL	606,325	623,909	042,002	660,620	679,778	699,491	/19,///	740,030	762,129	784,231
											GI	RAND TOTAL :	\$ 6,918,912
				Bond Amt:	\$ -		Building Size:	38,488		Total Project Cost	t:	\$ -	
				Bond Term:	20		Inflation:	2.90% *		State Aid Rate:		55% N	Nominal
				Bond Rate:	1.67% **		Value Exist:			State Building Aid	d:		

^{*} Inflation based on current RS Means Historic Cost Index

^{**} Band Rate is last reported sale by the NH Municipal Bond Bank.

Troy	Elementary Student Capacity		200		Do Noth	ing					Life-Cyo	cle Cost A	Analysis
	Task	Rat	es	Year 1	2	3	3 4	5	6	7	8	9	10
	Division 0	nac	CJ	-	-	-	-	-	-	-	-	-	-
	Division 1			-	-	-	-	-	-	-	-	-	-
	Division 2			-	-	-	-	-	-	-	-	-	-
	Division 3			-	-	-	-	-	-	-	-	-	-
	Division 4			-	-	-	-	-	-	-	-	-	-
	Division 5			-	-	-	-	-	-	-	-	-	-
SOS	Division 6			-	-	-	-	-	-	-	-	-	-
BUILDING NEEDS	Division 7			-	-	-	-	-	-	-	-	-	-
9	Division 8			-	-	-	-	-	-	-	-	-	-
흑	Division 9 Division 10			-	-	-	-	-	-	-	-	-	-
	Division 10 Division 11			-	-	-	-	-	-	-	-	-	-
	Division 12							-		-	_		-
	Division 13					-		-		-			-
	Division 14			-	-	_	-	-	_	_	_	-	_
	Division 15			-	-	_	-	_	_	_	-	-	_
	Division 16			-	-	-	-	-	-	-	-	-	-
	SUBTOTAL			-	-	-	-	-	-	-	-	-	-
	Water	\$	-	-	-	-	-	-	-	-	-	-	-
	Electricity	\$	-	-	-	-	-	-	-	-	-	-	-
	Grid	\$	0.64	18,175	18,702	19,244	19,802	20,377	20,968	21,576	22,201	22,845	23,508
	On-Site	-		-	-	-	-	-	-	-	-	-	-
ES	Heating Fuel	\$	-	-	-	-	-	-	-	-	-	-	-
UTILITIES	Oil	\$	-	-	-	-	-	-	-	-	-	-	-
5	Propane	\$	0.83	23,571	24,254	24,958	25,681	26,426	27,192	27,981	28,792	29,627	30,487
	Wood	\$	-	-	-	-	-	-	-	-	-	-	-
	Electricity Other	\$ \$	-	-	-	-	-	-	-	-	-	-	-
	Cooking Fuel	\$ \$	-	-	-	-	-	-		-	-	_	-
	SUBTOTAL	۲		41,746	42,956	44,202	45,484	46,803	48,160	49,557	50,994	52,473	53,994
	Cleaning	\$	3.00	85,195	87,666	90,208	,	95,516	98,286	101,136	104,069	107,087	110,193
_ &	Repairs	\$	0.30	8,520	8,767	9,021		9,552	9,829	10,114	10,407	10,709	11,019
IAN	Productivity Loss		1.10%		12,054	12,404		13,133	13,514	13,906	14,310	14,724	15,151
HUMAN	Bussing	\$	1,400	288,120	296,475	305,073		323,024	332,392	342,031	351,950	362,157	372,659
± 55				-	-	-	-	-	-	-	-	-	-
	SUBTOTAL			393,549	404,962	416,706	428,790	441,225	454,021	467,187	480,736	494,677	509,023
H	Principal			-	-	-	-	-	-	-	-	-	-
Ā	Interest			-	-	-	-	-	-	-	-	-	-
뫁				-	-	-	-	-	-	-	-	-	-
∞ ~	T In												
E.	Tax Income			-	-	-	-	-	-	-	-	-	-
PROPERTY & FINANCE				-	-	_	-	-		-	-	_	-
PR	SUBTOTAL			_	_	_	-	-	_	_	-		_
	SOBIOTAL												
			TOTAL	435,294	447,918	460,908	474,274	488,028	502,181	516,744	531,729	547,150	563,017
											GF	RAND TOTAL	\$ 4,967,242
				Bond Amt: \$ Bond Term:	- 20		Building Size: Inflation:	27,598 2.90% *		Total Project Cos State Aid Rate:	it:	\$ - 55% N	Iominal
				Bond Rate:	1.67% **		Value Exist:			State Building Ai	d:		

^{*} Inflation based on current RS Means Historic Cost Index

^{**} Band Rate is last reported sale by the NH Municipal Bond Bank.

OPTION 2 ADDITIONS AND RENOVATIONS OVER 10 YEARS

Task	Analysis
Division 2 13,892 105,884 43,582 -	10 208,663
Division 3	1,159,236
Division 4	-
Division 5	
Name	-
Division 7	_
Division 12 Division 13 Division 14 Division 15 Division 15 Division 16 Division 16 Division 16 Division 16 Division 16 Division 16 Division 17 Division 18 Division 19 Divis	-
Division 12 Division 13 Division 14 Division 15 Division 15 Division 16 Division 16 Division 16 Division 16 Division 16 Division 16 Division 17 Division 18 Division 19 Divis	-
Division 12 Division 13 Division 14 Division 15 Division 15 Division 16 Division 16 Division 16 Division 16 Division 16 Division 16 Division 17 Division 18 Division 19 Divis	-
Division 12 Division 13 Division 14 Division 15 Division 15 Division 16 Division 16 Division 16 Division 16 Division 16 Division 16 Division 17 Division 18 Division 19 Divis	-
Division 13 Division 14 Division 15 Division 15 Division 15 Division 16 Division 15 Division 16 Division 17 Division 16 Division 17 Division 18 Disposite 18 Division 18 Disposite 18 Division 18 Divi	-
Division 14 Division 15 Division 15 Division 16 Divisi	-
Division 15	-
Division 16	-
Water \$ 0.20	-
Water \$ 0.20 7,911 8,140 8,376 8,619 8,869 9,126 9,391 9,663 9,944 Electricity \$	1 267 000
Electricity \$	1,367,899 10,232
Grid \$ 0.59 23,337 24,014 24,710 25,427 26,164 26,923 27,704 28,507 29,334 On-Site \$ 0.70	10,232
On-Site \$ 0.70	30,184
Heating Fuel \$	-
Oil \$ 0.87 34,412 35,410 36,437 37,494 38,581 39,700	-
Wood \$	-
Wood \$	40,928
Other \$	-
Cooking Fuel \$ 0.02 791 814 838 862 887 913 939 966 994 SUBTOTAL 66,451 68,378 70,361 72,401 74,501 76,662 75,598 77,790 80,046 Cleaning \$ 2.50 98,885 101,753 104,704 107,740 110,865 114,080 117,388 120,792 124,295 Repairs \$ 0.25 9,889 10,175 10,470 10,774 11,086 11,408 11,739 12,079 12,430 Productivity Loss 1.00% 14,833 15,263 15,706 16,161 16,630 17,112 17,608 18,119 18,644 Bussing/Student \$ 1,600 127,061 134,537 142,454 150,836 159,711 169,109 179,059 189,595 200,751	-
Cleaning \$ 2.50 98,885 101,753 104,704 107,740 110,865 114,080 117,388 120,792 124,295 Repairs \$ 0.25 9,889 10,175 10,470 10,774 11,086 11,408 11,739 12,079 12,430 Productivity Loss 1.00% 14,833 15,263 15,706 16,161 16,630 17,112 17,608 18,119 18,644 Ussing/Student \$ 1,600 127,061 134,537 142,454 150,836 159,711 169,109 179,059 189,595 200,751 SUBTOTAL 250,667 261,728 273,333 285,511 298,292 311,708 325,794 340,585 356,120	-
Cleaning \$ 2.50 98,885 101,753 104,704 107,740 110,865 114,080 117,388 120,792 124,295 Repairs \$ 0.25 9,889 10,175 10,470 10,774 11,086 11,408 11,739 12,079 12,430 Productivity Loss 1.00% 14,833 15,263 15,706 16,161 16,630 17,112 17,608 18,119 18,644 8ussing/Student \$ 1,600 127,061 134,537 142,454 150,836 159,711 169,109 179,059 189,595 200,751 189,100 189	1,023
Repairs \$ 0.25 9,889 10,175 10,470 10,774 11,086 11,408 11,739 12,079 12,430 Productivity Loss 1.00% 14,833 15,263 15,706 16,161 16,630 17,112 17,608 18,119 18,644 Bussing/Student \$ 1,600 127,061 134,537 142,454 150,836 159,711 169,109 179,059 189,595 200,751 SUBTOTAL 250,667 261,728 273,333 285,511 298,292 311,708 325,794 340,585 356,120	82,367
SUBTOTAL 250,667 261,728 273,333 285,511 298,292 311,708 325,794 340,585 356,120	127,900
SUBTOTAL 250,667 261,728 273,333 285,511 298,292 311,708 325,794 340,585 356,120	12,790 19,185
SUBTOTAL 250,667 261,728 273,333 285,511 298,292 311,708 325,794 340,585 356,120	212,564
SUBTOTAL 250,667 261,728 273,333 285,511 298,292 311,708 325,794 340,585 356,120	-
Drivering 5 000/	372,438
Interest 1.67% - - - - - - - - -	-
Tay Income	-
₩	-
Tay Income	-
Tux income	-
Building Aid Reimbursement	-
9	-
SUBTOTAL	-
TOTAL 504,108 742,419 895,245 857,987 631,443 633,509 891,474 640,858 466,691	1,822,704
GRAND TOTAL	\$ 8,086,438
Bond Amt: \$ - Building Size: 38,439 Total Project Cost: \$ - Bond Term: 20 Inflation: 2.90% * State Aid Rate: 55%	

^{1.67% **} * Inflation based on current RS Means Historic Cost Index

Bond Rate:

Value Exist:

State Building Aid:

^{**} Band Rate is last reported sale by the NH Municipal Bond Bank.

Emer	rson Elementary	,		Option 2 -	Upgrade	s Over	Time				Life-Cyc	cle Cost A	Analysis
	Student Capacity		200	Year									
	Task	Rate	»s	1	2	3	4	5	6	7	8	9	10
	Division 0	11010	.5	27,413	26,873	28,437	52,671	59,390	4,274	58,267	57,695	11,641	65,881
	Division 1			102,900	6,353	-	-	-		-	-	64,671	299,458
	Division 2				-	-	-	-	-	-	_	-	-
	Division 3			_	-	-	-	-	-	-	_	-	_
	Division 4			-	-	-	-	-	-	-	-	-	-
	Division 5			8,232	-	-	-	138,439	-	-	-	-	-
S	Division 6			20,580	21,177	-	-	-	-	-	-	-	-
出	Division 7			-	10,588	-	56,057	-	-	-	62,848	-	-
BUILDING NEEDS	Division 8			20,580	10,588	136,193	-	-	-	-	-	-	-
Ž	Division 9			-	-	-	44,846	28,841	-	61,077	62,848	-	-
딑	Division 10			-	-	-	-	-	-	-	-	-	-
B	Division 11			-	-	-	-	-	-	-	-	-	-
	Division 12			-	-	-	23,544	64,605	-	-	-	-	-
	Division 13			-	-	-	-	-	-	-	-	-	-
	Division 14			-	-	-	-	-	-	-	-	-	-
	Division 15			-	79,413	21,791	-	23,073	23,742	262,631	157,121	-	-
	Division 16			-	21,177	-	168,172	74,988	-	-	37,709	-	66,546
	SUBTOTA	.L		179,705	176,170	186,422	345,290	389,336	28,016	381,975	378,221	76,312	431,885
	Water	\$	0.20	6,989	7,192	7,401	7,615	7,836	8,063	8,297	8,538	8,785	9,040
	Electricity	\$	-	-	-	-	-	-	-	-	-	-	-
	Grid	\$	0.60	20,968	21,576	22,202	22,846	23,508	24,190	24,892	25,614	26,356	27,121
	On-Site	-		-	-	-	-	-	-	-	-	-	-
ES	Heating Fuel	\$	-	-	-	-	-	-	-	-	-	-	-
UTILITIES	Oil	\$	0.82	28,657	29,488	-	-	-	-	-	-	-	-
Ę	Propane	\$	0.80	-	-	29,603	30,461	31,345	32,254	33,189	34,151	35,142	36,161
_	Wood	\$	0.40	-	-	-	-	-	-	-	-	-	-
	Electricity	\$	0.40	-	-	-	-	-	-	-	-	-	-
	Other	\$	-	-	-	-	-	-	-	-	-	-	-
	Cooking Fuel	\$	-	-	-		-	-	-	-	-	-	-
	SUBTOTA			56,614	58,256	59,205	60,922	62,689	64,507	66,378	68,303	70,283	72,322
10	Cleaning	\$	2.50	87,368	89,901	92,508	95,191	97,952	100,792	103,715	106,723	109,818	113,003
z Ö	Repairs	\$	0.25	8,737	8,990	9,251	9,519	9,795	10,079	10,372	10,672	10,982	11,300
§ ₹	Productivity Loss		1.00%	,	13,485	13,876	14,279	14,693	15,119	15,557	16,008	16,473	16,950
HUMAN	Bussing	\$	1,600	329,280	338,829	348,655	358,766	369,170	379,876	390,893	402,229	413,893	425,896
œ	SUBTOTA			438,489	451,206	464,291	- 477,755	491,610	505,867	520,537	535,632	- 551,166	567,150
	Principal		5.00%		451,206	464,291	4//,/55	491,610	505,867	520,537	535,632	551,166	567,150
B B	Interest		1.67%		-	-	-	-		-	-	-	-
¥	interest		1.07/0	-	-	-	-	-	-	-	-	-	-
듄				-	-	-	-	-	-	-	-	-	-
∞ ×	Tax Income												
F.	rax income			-	-	-	-	-	-	-	-	-	-
PROPERTY & FINANCE							-				_		_
PR	SUBTOTA	ı											_
	300101A	L			_	-		_	_	_	_	_	_
			TOTAL	674,808	685,632	709,918	883,967	943,635	598,390	968,890	982,156	697,761	1,071,357
				2. 1,000	,502	,	223,50.	2 .2,000	223,000	111,000	,	,,,	.,,
											GR	AND TOTAL	\$ 8.216.513
													, .,
				Bond Amt: \$	-		Building Size:	33,962		Total Project Cos	t:	-	
				Bond Term:	20		Inflation:	2.90% *		State Aid Rate:			Nominal
				Bond Rate:	1.67% **		Value Exist:			State Building Aid	d:		

^{*} Inflation based on current RS Means Historic Cost Index

^{**} Band Rate is last reported sale by the NH Municipal Bond Bank.

Gilsu	m STEAM A	cadem	•	Option 2	- Upgrade	es Over	Time				Life-Cyc	le Cost	Analysis
	Student Capacity		100										
	Task	Ra	tes	Year 1	2	3	4	5	6	7	8	9	10
	Division 0			37,785	47,838	50,991	57,515	48,592	69,446	54,969	27,150	11,641	401,753
	Division 1 Division 2			102,900	-	43,582	160 173	92,293	-	122,154	-	- 64,671	2,231,962
	Division 2 Division 3			-	-	43,582	168,172	-	-	122,154	-	64,671	-
	Division 4			-	-		-	-	-	_	-		
	Division 5			4,116				-					
S	Division 6			4,110				28,841					
	Division 7			_	74,119	_	_	5,768	_	_	_	_	_
Z	Division 8			-		32,686	-	13,844	_	-	-	-	-
BUILDING NEEDS	Division 9			10,290	38,118	21,791	-	-	_	-	-	-	-
₽	Division 10				-	,	-	8,652	_	-	-	-	-
BO	Division 11			-	-	-	-	1,730	-	-	-	-	-
	Division 12			-	-	-	-	43,839	-	-	-	-	-
	Division 13			-	-	-	-	-	-	-	-	-	-
	Division 14			-	-	-	-	-	-	-	-	-	-
	Division 15			-	21,177	174,328	151,354	17,305	385,812	152,692	150,836	-	-
	Division 16			92,610	132,355	10,895	-	57,683	-	30,538	-	-	-
		BTOTAL		247,701	313,608	334,273	377,041	318,548	455,258	360,354	177,986	76,312	2,633,715
	Water	\$	0.20	5,444	5,601	5,764	5,931	6,103	6,280	6,462	6,650	6,842	7,041
	Electricity	\$	-	-	-	-	-	-	-	-	-	-	-
	Grid	\$	0.85	23,135	23,806	24,496	25,207	25,938	26,690	27,464	28,260	29,080	29,923
	On-Site	-		-	-	-	-	-	-	-	-	-	-
ES	Heating Fuel	\$	-	-	-	-	-	-	-	-	-	-	-
UTILITIES	Oil	\$	0.94	25,585	26,327	27,090	-	-	-	-	-	-	-
5	Propane	\$ \$	0.40	-	-	-	11,862	12,206	12,560	12,924	13,299	13,685	14,082
	Wood	\$	-	-	-	-	-		-	-	-	-	-
	Electricity Other	\$		-	-	-	-	-	-	-	-	-	-
	Cooking Fuel	\$	-		_			-					-
		BTOTAL		54,163	55,734	57,350	43,000	44,247	45,530	46,850	48,209	49,607	51,046
	Cleaning	\$	2.50	68,044	70,018	72,048	74,138	76,288	78,500	80,776	83,119	85,529	88,010
S	Repairs	\$	0.25	6,804	7,002	7,205	7,414	7,629	7,850	8,078	8,312	8,553	8,801
A I	Productivity Loss		1.00%	10,207	10,503	10,807	11,121	11,443	11,775	12,116	12,468	12,829	13,201
HUMAN	Bussing/Student	\$	1,600	164,640	169,415	174,328	179,383	184,585	189,938	195,446	201,114	206,947	212,948
포낊				-	-	-	-	-	-	-	-	-	-
	SUI	BTOTAL		249,695	256,937	264,388	272,055	279,945	288,063	296,417	305,013	313,858	322,960
щ	Principal		5.00%	-	-	-	-	-	-	-	-	-	-
N N	Interest		1.67%	-	-	-	-	-	-	-	-	-	-
È				-	-	-	-	-	-	-	-	-	-
∞ ~													
⋛	Tax Income			-	-	-	-	-	-	-	-	-	-
PE				-	-	-	-	-	-	-	-	-	-
PROPERTY & FINANCE				-	-	-	-	-	-	-	-		-
	SUI	BTOTAL		-	-	-	-	-	-	-	-	-	-
			TOTAL	551,560	626,278	656,011	692,096	642,739	788,851	703,621	531,208	439,777	3,007,721
			TOTAL	331,300	020,270	030,011	032,030	042,733	700,031	703,021			
											GR	AND TOTAL	\$ 8,639,862
				Bond Amt: \$ Bond Term: Bond Rate:	20 1.67% **		Building Size: Inflation: Value Exist:	26,451 2.90% *	9	Fotal Project Co State Aid Rate: State Building Ai			Nominal

^{*} Inflation based on current RS Means Historic Cost Index

^{**} Band Rate is last reported sale by the NH Municipal Bond Bank.

Mt C	aesar Elementary	,		Option 2	- Upgrade	es Over	Time				Life-Cy	cle Cost	Analysis
	Student Capacity		250	V									
	Task Division 0	Rates		Year 1 21,300	2 4,765	3 4,903	4 5,045	5 5,191	6 5,342	7 5,497	8	9	10 258,971
	Division 1			102,900	-	-	-	-	-	-	-	-	1,438,730
	Division 2			-	-	-	-	-	-	-	-	-	-
	Division 3			-	-	-	-	-	-	-	-	-	-
	Division 4			-	-	-	-	-	-	-	-	-	-
	Division 5			-	-	-	-	-	-	-	-	-	-
SO	Division 6			15,435	-	-	-	-	-	-	-	-	-
当	Division 7			-	-	-	-	-	-	-	-	-	-
BUILDING NEEDS	Division 8			-	-	-	-	-	-	-	-	-	-
흑	Division 9			-	-	27,239	-	28,841	-	30,538	-	-	-
E	Division 10 Division 11			-	-	-	-	-	-	-	-	-	-
	Division 12			-	-			_		-			_
	Division 13								-				
	Division 14			_	_	_	_	_	_	_	_	_	_
	Division 15			-	26,471	_	28,029	_	29,678	_	_	-	_
	Division 16			-		-	-	-	-	-	-	-	-
	SUBTOTAL			139,635	31,236	32,142	33,074	34,033	35,020	36,035	-		1,697,702
	Water	\$	0.20	8,692	8,944	9,203	9,470	9,745	10,027	10,318	10,617	10,925	11,242
	Electricity	\$	-	-	-	-	-	-	-	-	-	-	-
	Grid	\$	0.75	32,594	33,539	34,511	35,512	36,542	37,602	38,692	39,814	40,969	42,157
	On-Site	-		-	-	-	-	-	-	-	-	-	-
ES	Heating Fuel	\$	-	-	-	-	-	-	-	-	-	-	-
Ę	Oil	\$	-	-	-	-	-	-	-	-	-	-	-
UTILITIES	Propane		0.39	16,949	17,440	17,946	18,466	19,002	19,553	20,120	20,703	21,304	21,922
_	Wood	\$	-	-	-	-	-	-	-	-	-	-	-
	Electricity	\$	-	-	-	-	-	-	-	-	-	-	-
	Other	\$ \$	-		-	-	-	-	-	-	-	-	-
	Cooking Fuel SUBTOTAL	>	-	58,234	59,923	61,660	63,449	65,289	67,182	69,130	71,135	73,198	75,321
	Cleaning	\$	2.00	86,916	89,437	92,030	94,699	97,446	100,272	103,179	106,172	109,251	112,419
S	Repairs		0.20	8,692	8,944	9,203	9,470	9,745	100,272	10,318	10,617	10,925	11,242
A S	Productivity Loss		0.90%	14,667	15,092	15,530	15,981	16,444	16,921	17,412	17,916	18,436	18,971
₹ 3	Bussing / Student		,600	452,760	465,890	479,401	493,303	507,609	522,330	537,478	553,064	569,103	585,607
HUMAN		, -	,	-	-	-	-	-	-	-	-	-	-
	SUBTOTAL			563,035	579,363	596,164	613,453	631,243	649,549	668,386	687,770	707,715	728,239
щ	Principal	5	5.00%	-	-	-	-	-	-	-	-	-	-
N	Interest	1	1.67%	-	-	-	-	-	-	-	-	-	-
Ž				-	-	-	-	-	-	-	-	-	-
8													
₹	Tax Income			-	-	-	-	-	-	-	-	-	-
E E				-	-	-	-	-	-	-	-	-	-
PROPERTY & FINANCE				-	-	-	-	-	-	-	-	-	-
ш.	SUBTOTAL			-	-	-	-	-	-	-	-	-	-
		_	OTAL	760,904	670,521	689,967	709,976	730,565	751,751	773,552	758,905	780,913	2,501,261
			UTAL	760,904	670,521	009,907	709,976	730,363	/51,/51	//3,552	730,903	760,913	2,501,261
											GI	RAND TOTAL	\$ 9.128.314
											٠.		+ -,110,014
				Bond Amt:	; -		Building Size:	42,233		Total Project Cost	: :	\$ -	
				Bond Term:	20		Inflation:	2.90% *		State Aid Rate:		55%	Nominal
				Bond Rate:	1.67% **		Value Exist:			State Building Aid	l:		

^{*} Inflation based on current RS Means Historic Cost Index

^{**} Band Rate is last reported sale by the NH Municipal Bond Bank.

Troy	Troy Elementary Option 2 - Upgrades Over Time									Life-Cy	cle Cost	Analysis	
	Student Capacity		200										
	Task	Do	tes	Year 1	2	3	4	5	6	7	8	9	10
	Division 0	Rd	tes	64,827	83,860	63,150	67,605	57,314	78,207	72,559	175,347	86,142	558,669
	Division 1			04,827	127,061	03,130	07,003	37,314	296,778	72,339	942,723	00,142	3,103,718
	Division 2			_	127,001			28,841	230,778	-	542,725		5,105,710
	Division 3				105,884			20,041		79,400			
	Division 4			_	103,864			_		73,400			
	Division 5			_	_	_	56,057	_	_	_	_	_	_
S	Division 6			_			67,269	34,610		_	_	_	_
8	Division 7			_	52,942	_	-	-	_	-	-	-	-
BUILDING NEEDS	Division 8			_	-	326,864	_	-	_	-	_	_	-
≧	Division 9			_	-	-	_	-	71,227	109,939	31,424	129,342	-
₽	Division 10			-	-	-	-	-	, -	-	- /	-	-
B	Division 11			-	-	-	-	-	-	-	-	-	-
	Division 12			-	-	-	-	24,227	66,478	-	-	25,868	-
	Division 13			-	-	-	-	-	-	-	-	323,354	-
	Division 14			-	-	-	-	-	-	213,769	-	· -	-
	Division 15			360,150	158,826	-	-	201,890	-	-	-	-	-
	Division 16			-	21,177	23,970	252,257	28,841	-	-	-	-	-
	SUBTOTA	٩L		424,977	549,750	413,984	443,188	375,723	512,691	475,668	1,149,494	564,706	3,662,388
	Water	\$	-	-	-	-	-	-	-	-	-	-	-
	Electricity	\$	-	-	-	-	-	-	-	-	-	-	-
	Grid	\$	0.64	22,366	23,015	23,682	24,369	25,076	25,803	26,551	27,321	28,113	28,929
UTILITIES	On-Site	-		-	-	-	-	-	-	-	-	-	-
	Cooking Fuel	\$	-	-	-	-	-	-	-	-	-	-	-
	Heating Fuel	\$	-	-	-	-	-	-	-	-	-	-	-
	Oil	\$	-		-								
_	Propane	\$	0.83	29,006	29,847	30,713	31,603	32,520	33,463	34,433	35,432	36,460	37,517
	Wood	\$	-	-	-	-	-	-	-	-	-	-	-
	Electricity	\$	-	-	-	-	-	-	-	-	-	-	-
	Other	\$	_		F2 0C2	E4 20E	-	- F7 F0C	F0 200	-		- C4 F72	-
	SUBTOTA Cleaning	AL \$	2.50	51,372 87,368	52,862 89,901	54,395 92,508	55,972 95,191	57,596 97,952	59,266 100,792	60,985 103,715	62,753 106,723	64,573 109,818	66,446 113,003
S	Repairs	\$ \$	0.25	8,737	89,901 8,990	92,308	95,191	97,932	100,792		106,723	109,818	
Z Ö	Productivity Loss	Ş	1.00%		13,485	13,876	14,279	14,693	15,119	10,372 15,557	16,008	16,473	11,300
ž ž	Bussing	\$		13,105 288,120	296,475	305,073	313,920	323,024	332,392	342,031	351,950	362,157	16,950 372,659
HUMAN	bussing	۶	1,400	200,120	290,473	303,073	313,920	-	-	342,031	-	- 302,137	372,039
~	SUBTOTA	Δ1		397,329	408,852	420,709	432,909	445,464	458,382	471,675	485,354	499,429	513,912
	Principal	-	5.00%		-	-	-	-	-	-	-	-	-
Š	Interest		1.67%		-	_	-	-	_	-	-	-	-
Σ				-	-	_	_	-	-	_	_	_	-
Ξ ~×													
≥ 2	Tax Income			_	-	_	_	-	_	-	_	_	-
<u> </u>				-	-	-	-	-	-	-	-	-	-
PROPERTY & FINANCE				-	-	-	-	-	-	-	-	-	-
7	SUBTOTA	٩L		-	-	-	-	-	-	-	-	-	-
			TOTAL	873,679	1,011,464	889,088	932,070	878,782	1,030,339	1,008,327	1,697,601	1,128,708	4,242,746
											G	RAND TOTAL	\$ 13,692,803
				Bond Amt:	\$ -		Building Size:	33,962		Total Project C	ost:	\$ -	
				Bond Term:	20		Inflation:	2.90%	*	State Aid Rate:		55%	Nominal
				Bond Rate:	1.67% **		Value Exist:			State Building	Aid:		

^{*} Inflation based on current RS Means Historic Cost Index

^{**} Band Rate is last reported sale by the NH Municipal Bond Bank.

OPTION 3 ADDITIONS / RENOVATIONS IN ONE YEAR

Cutler Elementary

Project Cost Worksheet

Student Capacity 300

1.	Site Development Costs				\$200,000
	Land Acquisition				
	Playfields	1	Field		
	Paving	100	Spaces	****	
	Site Prep & Utilities			\$200,000	
2.	General Construction - New				\$2,940,000
	New Constuction	3,675 s.f.	\$ 182 per s.f.	\$669,000	
	Renovation		•	\$2,205,000	
	Construction Contingency	5.00%		\$33,000	
	Construction Manager Fee	5.00%		\$33,000	
0	D : E				0400.000
3.	Design Fees	0.000/		040.000	\$190,000
	Civil Engineering	6.00%		\$10,000	
	A&E New Construction	5.00%		\$30,000	
	A&E Renovation	7.00%		\$150,000	
4.	Furniture, Equipment and Serv	ices			\$280,000
	Loose Equipment	5.00%		\$150,000	
	Phone Service	1.00%		\$30,000	
	Computers	2.00%		\$60,000	
	Utility Charges	1.50%		\$40,000	
5.	Administrative Costs				\$50,000
0.	Testing	0.25%		\$10,000	400,000
	Survey, Borings	0.25%		\$10,000	
	Clerk of the Works	0.75%		\$20,000	
	Bonding/Legal	0.30%		\$10,000	
	J J			, ,	
6	Design Contingency	5%			¢200 000
6.	Design Contingency	5%			\$200,000

Total Project Cost

\$3,860,000

(Note: all numbers rounded to nearest \$10,000)

Table G

Barker Architects, Inc. 11/30/2020

Cutler Elementary			Bono	l Cost Worksheet
Student Capacity	300	Core Capacity	350	
Square Foot Allowance				
State Allowable Formula Previous < 35 y.o. Original School 3-Story Addition Classroom Wing Gym Addition Pre-School	120 1900 1950's 1970's 1990	square feet / student :	42,000 11,382	Older than 35 years Older than 35 years Older than 35 years Older than 35 years
		Total to Deduct	11,382	
Allowable Size			30,618	
Construction Cost Allowance				
State Allowable Formula \$ Site and Soft Cost	182	per square foot =	\$5,572,476 \$920,000	
Allowable Cost			6,492,476	
Reimbursement				
Renovation Thresholds		Replacement Value 25% Renovation Min. 60% Renovation Max.		

Allowed Project Cost

55% State Aid Rate

At Start

20% At Completion

80%

State Aid

\$2,123,000

\$1,698,400

\$424,600

Total State Aid \$2,123,000

Total Bond Amount \$2,161,600

Table H

3,860,000

Barker Architects, PLLC 11/30/2020

Cutle	er Elementary Student Capacity		275	Option 3	- Upgrad	es in One	e Year				Life-Cy	cle Cost A	Analysis
	Task	Ra	tes	1	2	3	4	5	6	7	8	9	10
	Division 0								-				-
	Division 1												
	Division 2			-	-	-	-	-	-	-	-	-	-
	Division 3			-	-	-	-	-	-	-	-	-	-
	Division 4			-	-	-	-	-	-	-	-	-	-
	Division 5			-	-	-	-	-	-	-	-	-	-
BUILDING NEEDS	Division 6			-	-	-	-	-	-	-	-	-	-
ÿ	Division 7			-	-	-	-	-	-	-	-	-	-
<u> </u>	Division 8			-	-	-	-	-	-	-	-	-	-
	Division 9			-	-	-	-	-	-	-	-	-	-
Ⅎ	Division 10			-	-	-	-	-	-	-	-	-	-
<u> </u>	Division 11			-	-	-	-	-	-	-	-	-	-
	Division 12			-	-	-	-	-	-	-	-	-	-
	Division 13			-	-	-	-	-	-	-	-	-	-
	Division 14			-	-	-	-	-	-	-	-	-	-
	Division 15			-	-	-	-	-	-	-	-	-	-
	Division 16			-	-	-	-	-	-	-	-	-	-
	SUBTOT	AL		-	-	-							
	Water	\$	0.20	7,911	8,140	8,376	8,619	8,869	9,126	9,391	9,663	9,944	10,232
	Electricity	\$	-	-	-	-	-	-	-	-	-	-	-
	Grid	\$	0.75	29,666	30,526	31,411	32,322	33,259	34,224	35,216	36,238	37,289	38,370
UTILITIES	On-Site	-		-	-	-	-	-	-	-	-	-	-
	Heating Fuel	\$	-	-	-	-	-	-	-	-	-	-	-
	Oil	\$	0.87	34,412	-	-	-	-	-	-	-	-	-
큳	Propane	\$	0.80	-	32,561	33,505	34,477	35,477	36,505	37,564	38,654	39,774	40,928
5	Wood	\$	0.40	-	· -	· -	· -	· -	-	-	, -	-	· -
	Electricity	\$	0.40	-	-	-	-	-	-	-	-	-	_
	Other	\$	-	-	-	-	-	-	-	-	-	-	_
	Cooking Fuel	\$	0.02	791	814	838	862	887	913	939	966	994	1,023
	SUBTOT			72,779	72,041	74,130	76,280	78,492	80,768	83,111	85,521	88,001	90,553
	Cleaning	\$	2.00	79,108	81,402	83,763	86,192	88,692	91,264	93,910	96,634	99,436	102,320
S	Repairs	\$	0.20	7,911	8,140	8,376	8,619	8,869	9,126	9,391	9,663	9,944	10,232
HUMAN	Productivity Loss	Ţ	0.90%	13,349	13,737	14,135	14,545	14,967	15,401	15,847	16,307	16,780	17,266
₹ 2	Bussing / Student	\$	1,200	452,760	465,890	479,401	493,303	507,609	522,330	537,478	553,064	569,103	585,607
H S	bussing / Student	Y	1,200	-52,700		-775,-101	-55,505	507,005	522,550	-	-	505,105	-
-	SUBTOT	Δ1		553,128	569,169	585,675	602,660	620,137	638,121	656,626	675,668	695,263	715,425
	Principal		5.00%	108,080	108,080	108,080	108,080	108,080	108,080	108,080	108,080	108,080	108,080
Š	Interest		1.67%	34,294	32,489	30,684	28,879	27,074	25,269	23,464	21,659	19,854	18,049
₹					-	-		,	,	,	,		
臣				_			_	_	_	_			_
∞ ≻	Tax Income			_	_	_	_	_	_	_	_	_	_
ERT	Building Aid Reimburse	ment		424,600									
PROPERTY & FINANCE	Sanding Ala Neimbursei			-2-7,000	_	_	_	_	_	_	_	_	_
R.	SUBTOT	ΔΙ		(282,226)	140,569	138,764	136,959	135,154	133,349	131,544	129,739	127,934	126,129
	300101	AL.		(202,220)	140,503	130,704	130,333	133,134	133,343	131,344	123,733	127,334	120,123
			TOTAL	343,682	781,779	798,569	815,899	833,783	852,238	871,281	890,929	911,198	932,108
			TOTAL	343,002	701,773	730,303	013,033	033,703	032,230	371,201	030,323	311,130	332,100
											e.	RAND TOTAL	\$ 8 031 465
											GI.	IAID IOIAL	70,331,703

Bond Amt:	\$ 2,161,600	Building Size:	38,439	Total Project Cost:	\$ 3,860,000
Bond Term:	20	Inflation:	2.90% *	State Aid Rate:	55% Nominal
Bond Rate:	1.67% **	Value Exist:		State Building Aid:	\$2,123,000

^{*} Inflation based on current RS Means Historic Cost Index

 $[\]ensuremath{^{**}}$ Band Rate is last reported sale by the NH Municipal Bond Bank.

Emerson Elementary School

Project Cost Worksheet

Student Capacity 200

1.	Site Development Costs				\$200,000
	Land Acquisition				
	Playfields	1	Field		
	Paving	100	Spaces		
	Site Prep & Utilities			\$200,000	
2.	General Construction - New				\$1,844,000
	New Constuction	1,116 s.f.	\$ 182 per s.	f. \$203,000	ψ1,011,000
	Renovation	1,110 0.1.	ψ 102 por 0.	\$ 1,621,000	
	Construction Contingency	5.00%		\$10,000	
	Construction Manager Fee	5.00%		\$10,000	
	Construction Manager 1 ee	3.00 /0		Ψ10,000	
3.	Design Fees				\$100,000
	Civil Engineering	6.00%		\$10,000	
	A&E New Construction	5.00%		\$90,000	
	A&E Renovation	7.00%		\$0	
4.	Furniture, Equipment and Servi	ces			\$180,000
4.	Loose Equipment	5.00%		\$90,000	φ100,000
	Phone Service	1.00%		\$20,000	
	Computers	2.00%		\$40,000	
	Utility Charges	1.50%		\$30,000	
	Office Charges	1.5076		φ30,000	
5.	Administrative Costs				\$50,000
	Testing	0.25%		\$10,000	
	Survey, Borings	0.25%		\$10,000	
	Clerk of the Works	0.75%		\$20,000	
	Bonding/Legal	0.30%		\$10,000	
6.	Design Contingency	5%			\$100,000

Total Project Cost

\$2,474,000

(Note: all numbers rounded to nearest \$10,000)

Table G

Barker Architects, Inc.

10/29/2020

Bond Cost Worksheet Emerson Elementary School Student Capacity 200 **Core Capacity** 248 Square Foot Allowance State Allowable Formula 144 square feet / student : 35,712 based on core capacity Previous < 35 y.o. Gym/CR Addition 1990 19,706 Pre-School Total to Deduct 19,706 Allowable Size 16,006 **Construction Cost Allowance** State Allowable Formula 182 per square foot = \$2,913,092 Site and Soft Cost \$630,000 Allowable Cost 3,543,092 Reimbursement Renovation Thresholds Replacement Value \$ 5,977,972 25% Renovation Min. \$ 1,494,493 60% Renovation Max. \$ 3,586,783 State Aid Allowed Project Cost 2,474,000 55% State Aid Rate \$1,360,700 80% At Start \$1,088,560 20% At Completion \$272,140 **Total Project Cost** \$2,474,000

Total Bond Amount \$1,385,440

\$1,360,700

Table H

Barker Architects, PLLC 11/30/2020

Total State Aid

Eme	rson Elementary Student Capacity		200	Option 3	- Upgrad	es in One	e Year				Life-Cy	cle Cost A	Analysis
	Task	Rat		1	2	3	4	5	6	7	8	9	10
	Division 0			-	-	-	-	-	-	-	-	-	-
	Division 1			-	-	-	-	-	-	-	-	-	-
	Division 2			-	-	-	-	-	-	-	-	-	-
	Division 3			-	-	-	-	-	-	-	-	-	-
	Division 4			-	-	-	-	-	-	-	-	-	-
	Division 5			-	-	-	-	-	-	-	-	-	-
S	Division 6			-	-	-	-	-	-	-	-	-	-
BUILDING NEEDS	Division 7			-	-	-	-	-	-	-	-	-	-
	Division 8			-	-	-	-	-	-	-	-	-	-
Ž	Division 9			-	-	-	-	-	-	-	-	-	-
블	Division 10			-	-	-	-	-	-	-	-	-	-
표	Division 11			-	-	-	-	-	-	-	-	-	-
	Division 12			-	-	-	-	-	-	-	-	-	-
	Division 13			-	-	-	-	-	-	-	-	-	-
	Division 14			-	-	-	-	-	-	-	-	-	-
	Division 15			-	-	-	-	-	-	-	-	-	-
	Division 16			-	-	-	-	-	-	-	-	-	-
	SUBTOTAL				-	-	-	-		-	-		-
	Water	\$	0.20	6,989	7,192	7,401	7,615	7,836	8,063	8,297	8,538	8,785	9,040
	Electricity	\$	-	-	-	-	-	-	-	-	-	-	-
	Grid	\$	0.60	26,210	26,970	27,753	28,557	29,386	30,238	31,115	32,017	32,945	33,901
ES	On-Site	-		-	-	-	-	-	-	-	-	-	-
	Heating Fuel	\$	-	-	-	-	-	-	-	-	-	-	-
UTILITIES	Oil	\$	-	-	-	-	-	-	-	-	-	-	-
5	Propane	\$	0.80	27,958	28,768	29,603	30,461	31,345	32,254	33,189	34,151	35,142	36,161
	Wood	\$	-	-	-	-	-	-	-	-	-	-	-
	Electricity Other	\$ \$	-	-	-	-	-	-	-	-	-	-	-
		\$	-	-	-	-	-	-	-	-	-		
	Cooking Fuel SUBTOTAL			61,157	62,931	64,756	66,634	68,566	70,555	72,601	74,706	76,873	79,102
	Cleaning	\$	2.00	69,894	71,921	74,007	76,153	78,361	80,634	82,972	85,378	87,854	90,402
S	Repairs	\$	0.20	6,989	7,192	7,401	7,615	7,836	8,063	8,297	8,538	8,785	9,040
A A N	Productivity Loss	ب	0.90%	11,795	12,137	12,489	12,851	13,223	13,607	14,002	14,408	14,825	15,255
ΣÖ	Bussing/Student	\$	1,600	329,280	338,829	348,655	358,766	369,170	379,876	390,893	402,229	413,893	425,896
HUMAN	Dassing/ Stauciit	Ý	2,000	-	-	-	-	-	-	-	-	-	-
_	SUBTOTAL			417,958	430,079	442,551	455,385	468,591	482,180	496,164	510,552	525,358	540,594
ш	Principal		5.00%	69,272	69,272	69,272	69,272	69,272	69,272	69,272	69,272	69,272	69,272
S	Interest		1.67%	21,980	20,823	19,666	18,509	17,353	16,196	15,039	13,882	12,725	11,568
₹				-	-	-	-	-	-	-	-	-	-
- ×													
	Tax Income			-	-	-	-	-	-	-	-	-	-
PROPERTY & FINANCE	Building Aid Reimburseme	ent		280,032	-	-	-	-	-	-	-	-	-
8				-	-	-	-	-	-	-	-	-	-
4	SUBTOTAL			(188,780)	90,095	88,938	87,781	86,625	85,468	84,311	83,154	81,997	80,840
			TOTAL	290,335	583,105	596,245	609,800	623,782	638,203	653,075	668,413	684,228	700,536
											GF	RAND TOTAL	\$ 6,047,724
			_	land Amt	¢ 1 20E 110	_	tuilding Cizo:	22.062	_	otal Project Co		¢ 2 474 000	

Bond Amt:	\$ 1,385,440	Building Size: \$	33,962	Total Project Cost:	\$ 2,474,000
Bond Term:	20	Inflation:	2.90% *	State Aid Rate:	55% Nominal
Bond Rate:	1.67% **	Value Exist:		State Building Aid:	\$ 1,360,700

^{*} Inflation based on current RS Means Historic Cost Index

 $[\]ensuremath{^{**}}$ Band Rate is last reported sale by the NH Municipal Bond Bank.

Gilsum Elementary

Project Cost Worksheet

Student Capacity 100

1.	Site Development Costs				\$0
	Land Acquisition				
	Playfields	1	Field		
	Paving Site Prep & Utilities	100	Spaces		
	Site Prep & Utilities				
2.	General Construction - New				\$3,657,000
	New Constuction	8,383 s.f.	\$ 182 per s.f.	\$1,526,000	
	Renovation			\$1,979,000	
	Construction Contingency	5.00%		\$76,000	
	Construction Manager Fee	5.00%		\$76,000	
3.	Design Fees				\$180,000
J.	Civil Engineering	6.00%		\$0	φ100,000
	A&E New Construction	5.00%		\$180,000	
	A&E Renovation	7.00%		\$0	
	/ tall removation	7.0070		Ψ	
4.	Furniture, Equipment and Servi	ices			\$340,000
	Loose Equipment	5.00%		\$180,000	
	Phone Service	1.00%		\$40,000	
	Computers	2.00%		\$70,000	
	Utility Charges	1.50%		\$50,000	
5.	Administrative Costs				\$60,000
J .	Testing	0.25%		\$10,000	Ψου,οου
	Survey, Borings	0.25%		\$10,000	
	Clerk of the Works	0.75%		\$30,000	
	Bonding/Legal	0.30%		\$10,000	
				. ,	
6.	Design Contingency	5%			\$200,000
0.	Design Contingency	J /0			Ψ200,000

Total Project Cost

\$4,437,000

(Note: all numbers rounded to nearest \$10,000)

Table G

Barker Architects, Inc. 9/22/2020

Gilsum Elementary				Bono	d Cost Worksheet	
Student Capacity		100 Core Capacity		160	1	
Square Foot Allowance						
State Allowable Formula Previous < 35 y.o. Original		144	square feet / student =	23,040	based on core capacity Older than 35 years	
1970's 1980's 1990's				7,890	Older than 35 years Older than 35 years	
Pre-School						
Allowable Size			Total to Deduct	7,890 15,150		
Construction Cost Allowance						
State Allowable Formula Site and Soft Cost	\$	182	per square foot =	\$2,757,300 \$780,000		
Allowable Cost				\$2,772,450		
Reimbursement						
Renovation Thresholds			Replacement Value 25% Renovation Min. 60% Renovation Max.	\$ 3,288,376 \$ 822,094 \$ 1,973,026		
State Aid		55% 80% 20%		= \$1,524,848 \$1,219,878 \$304,970	\$ 2,772,450	
			Total Proj	ect Cost	\$4,437,000	
	Total State Aid					
			Total Bond	Amount	\$3,217,122	

Table H

Barker Architects, PLLC 11/30/2020

Gilsu	m STEAM Aca	dem	y		3 - Upgrade	s in O	ne Year				Life-Cy	cle Cost A	Analysis
	Task	Ra	tes	Year 1	2	3	4	5	6	5 7	8	9	10
	Division 0			-		-	-	-	-	-	-	-	-
	Division 1			-	-	-	-	-	-	-	-	-	-
	Division 2			-	-	-	-	-	-	-	-	-	-
	Division 3			-	-	-	-	-	-	-	-	-	-
	Division 4			-	-	-	-	-	-	-	-	-	-
	Division 5			-	-	-	-	-	-	-	-	-	-
BUILDING NEEDS	Division 6			-	-	-	-	-	-	-	-	-	-
Ä	Division 7			-	-	-	-	-	-	-	-	-	-
S	Division 8 Division 9			-	-		_	-		-	-	-	-
⊴	Division 10			-	-					-	-		
₽	Division 11			_	-	_	_	-	_	-	_	-	_
	Division 12			_	-	_	_	_	_	_	_	-	-
	Division 13			-	-	-	-	-	-	-	-	-	-
	Division 14			-	-	-	-	-	-	-	-	-	-
	Division 15			-	-	-	-	-	-	-	-	-	-
	Division 16			-	-	-	-	-	-	-	-	-	-
	SUBTO			-	-	-	-	-	-	•	-	-	-
	Water	\$	0.20	5,444	5,601	5,764	5,931	6,103	6,280	6,462	6,650	6,842	7,041
	Electricity	\$	-	-	-	-	-	-	-	-	-	-	-
	Grid On-Site	\$	0.85	23,135	23,806	24,496	25,207	25,938	26,690	27,464	28,260	29,080	29,923
UTILITIES	Heating Fuel	\$	_	-	-	-	-	-	-	-	-	-	-
	Oil	\$	0.94	25,585	26,327	27,090	-	-		-	-	-	-
- 5	Propane	\$	0.40	-	-	-	11,862	12,206	12,560	12,924	13,299	13,685	14,082
5	Wood	\$	-	_	-	_	,	,	,	,		-	,
	Electricity	\$	-	-	-	-	-	-	-	-	-	-	-
	Other	\$	-	-	-	-	-	-	-	-	-	-	-
	Cooking Fuel	\$	-	-	-	-	-	-	-	-	-	-	-
	SUBTO	TAL		54,163	55,734	57,350	43,000	44,247	45,530	46,850	48,209	49,607	51,046
	Cleaning	\$	2.00	54,435	56,014	57,639	59,310	61,030	62,800	64,621	66,495	68,423	70,408
CES	Repairs	\$	0.20	5,444	5,601	5,764	5,931	6,103	6,280	6,462	6,650	6,842	7,041
HUMAN	Productivity Loss		0.90%		9,452	9,726	10,009	10,299	10,597	10,905	11,221	11,546	11,881
HUMAN	Bussing	\$	1,600	164,640	169,415	174,328	179,383	184,585	189,938	195,446	201,114	206,947	212,948
~	SUBTO	TΛΙ		233,705	240,482	247,456	254,633	262,017	269,616	277,434	285,480	293,759	302,278
	Principal	IAL	5.00%		160,856	160,856	160,856	160,856	160,856	160,856	160,856	160,856	160,856
PROPERTY & FINANCE	Interest		1.67%	,	48,353	45,667	42,981	40,294	37,608	34,922	32,236	29,549	26,863
¥				-	-	-	-	-	-	-	-	-	-
-×													
≧	Tax Income			-	-	-	-	-	-	-	-	-	-
E.	Building Aid Reimburs	ement		304,970	-	-	-	-	-	-	-	-	-
<u>S</u>				-	-	-	-	-	-	-	-	-	-
Ъ	SUBTO	TAL		(93,074)	209,209	206,523	203,837	201,151	198,464	195,778	193,092	190,405	187,719
			TOTAL	194,795	505,426	511,330	501,469	507,414	513,610	520,063	526,781	533,771	541,043
				, , , ,	,	,,,,,,	,	,	,.	,		RAND TOTAL	
				Bond Amt: Bond Term: Bond Rate:	\$ 3,217,122 20 1.67% **		Building Size: Inflation: Value Exist:	26,451 2.90% *		Total Project Cost State Aid Rate: State Building Aid	t:	\$ 4,437,000 55% N	Nominal

^{*} Inflation based on current RS Means Historic Cost Index

dex *** Limited by Previous Additions

 $[\]ensuremath{^{**}}$ Band Rate is last reported sale by the NH Municipal Bond Bank.

Mt Ceasar Elementary

Project Cost Worksheet

Student Capacity 250

1.	Site Development Costs				\$100,000
	Land Acquisition				
	Playfields	1	Field		
	Paving	100	Spaces		
	Site Prep & Utilities			\$100,000	
2.	General Construction - New				\$1,015,000
	New Constuction	3,745 s.f.	\$ 182 per s.f	f. \$682,000	
	Renovation		•	\$265,000	
	Construction Contingency	5.00%		\$34,000	
	Construction Manager Fee	5.00%		\$34,000	
	v				
3.	Design Fees				\$60,000
J .	Civil Engineering	6.00%		\$10,000	ψ00,000
	A&E New Construction	5.00%		\$30,000	
	A&E Renovation	7.00%		\$20,000	
	AGE Renovation	7.0070		Ψ20,000	
4.	Furniture, Equipment and Serv	ices			\$100,000
	Loose Equipment	5.00%		\$50,000	
	Phone Service	1.00%		\$10,000	
	Computers	2.00%		\$20,000	
	Utility Charges	1.50%		\$20,000	
5.	Administrative Costs				\$10,000
	Testing	0.25%		\$0	, , , , , ,
	Survey, Borings	0.25%		\$0	
	Clerk of the Works	0.75%		\$10,000	
	Bonding/Legal	0.30%		\$0	
	· · · · · · · · · · · · · · · · · ·	3.00.0		~~	
6.	Design Contingency	5%			\$100,000
J .	Doolgii Contingency	070			Ψ100,000

Total Project Cost

\$1,385,000

(Note: all numbers rounded to nearest \$10,000)

Table G

Barker Architects, Inc. 11/30/2020

Mt Ceasar Elementary			Bond	l Cost Worksheet
Student Capacity	325	Core Capacity	290	1
Square Foot Allowance				
State Allowable Formula Previous < 35 y.o.	120	square feet / student =	34,800	based on core capacity
Original Schools 1st Additions	1900, 1950 1950's			Older than 35 years Older than 35 years
Mt Ceasar Additions Mt Ceasar Additions Pre-School	1987 2000		4,733 2,345	Older than 35 years
		Total to Deduct	7,078	
Allowable Size			27,722	
Construction Cost Allowance				
State Allowable Formula Site and Soft Cost	\$ 182	per square foot =	\$5,045,404 \$370,000	
Allowable Cost			\$5,415,404	
Reimbursement				
Renovation Thresholds		Replacement Value 25% Renovation Min. 60% Renovation Max.	\$ 7,004,816 \$ 1,751,204 \$ 4,202,890	
State Aid	55% 80% 20%	At Start	= \$761,750 \$609,400 \$152,350	\$ 1,385,000
		Total Proj	ect Cost	\$1,385,000
		Total S	State Aid	\$761,750

Barker Architects, PLLC 11/30/2020

Total Bond Amount \$775,600

Mt C	aesar Elementar Student Capacity	У	325		- Upgrade	es in Oi	ne Year				Life-C	ycle Cost	Analysis
	Table	D-4		Year	2	-		-		-	0	0	10
	Task Division 0	Rate	es	1	2	3	4	5	6	7	8	9	10
				-	-	-	-	-	-	-	-	-	-
	Division 1			-	-	-	-	-	-	-	-	-	-
	Division 2			-	-	-	-	-	-	-	-	-	-
	Division 3			-	-	-	-	-	-	-	-	-	-
	Division 4			-	-	-	-	-	-	-	-	-	-
	Division 5			-	-	-	-	-	-	-	-	-	-
SO	Division 6			-	-	-	-	-	-	-	-	-	-
買	Division 7			-	-	-	-	-	-	-	-	-	-
BUILDING NEEDS	Division 8			-	-	-	-	-	-	-	-	-	-
	Division 9			-	-	-	-	-	-	-	-	-	-
Ħ	Division 10			-	-	-	-	-	-	-	-	-	-
<u> </u>	Division 11			-	-	-	-	-	-	-	-	-	-
	Division 12			-	-	-	-	-	-	-	-	-	-
	Division 13			-	-	-	-	-	-	-	-	-	-
	Division 14			-	-	-	-	-	-	-	-	-	-
	Division 15			-	-	-	-	-	-	-	-	-	-
	Division 16			-	-	-	-	-	-	-	-	-	-
	SUBTOTAL	L		-	-	-	-	-	-	-	-	-	-
	Water	\$	0.20	8,692	8,944	9,203	9,470	9,745	10,027	10,318	10,617	10,925	11,242
	Electricity	\$	-	-	-	-	-	-	-	-	-	-	-
	Grid	\$	0.75	32,594	33,539	34,511	35,512	36,542	37,602	38,692	39,814	40,969	42,157
	On-Site	-		-	-	· -	-	-	-	-	-	· -	-
	Heating Fuel	\$	-	-	-	_	-	-	-	-	-	_	_
UTILITIES	Oil	\$	_	-	-	_	-	-	_	-	_	_	-
į	Propane	\$	0.39	16,949	17,440	17,946	18,466	19,002	19,553	20,120	20,703	21,304	21,922
5	Wood	\$	-	-			-	-	-	-	-		
	Electricity	\$	_	_	_	_	_	_	_	_	_	_	_
	Other	\$	_	_	_	_	_	_	_	_	_	_	_
	Cooking Fuel	\$	_	_	_	_	_	_	_	_	_	_	_
	SUBTOTAL					61 660	62 440	- 6F 390	67 102	60 120	71 125	72 100	75 221
			2.00	58,234	59,923	61,660	63,449	65,289	67,182	69,130	71,135	73,198	75,321
S	Cleaning	\$	2.00	86,916	89,437	92,030	94,699	97,446	100,272	103,179	106,172	109,251	112,419
z ö	Repairs	\$	0.20	8,692	8,944	9,203	9,470	9,745	10,027	10,318	10,617	10,925	11,242
ΑÑ	Productivity Loss		0.90%	,	15,092	15,530	15,981	16,444	16,921	17,412	17,916	18,436	18,971
HUMAN	Bussing	\$	1,600	452,760	465,890	479,401	493,303	507,609	522,330	537,478	553,064	569,103	585,607
22				-	-	-	-	-	-	-	-	-	-
	SUBTOTAL	_		563,035	579,363	596,164	613,453	631,243	649,549	668,386	687,770	707,715	728,239
E	Principal		5.00%		38,780	38,780	38,780	38,780	38,780	38,780	38,780	38,780	38,780
Ž	Interest		1.67%	12,305	11,657	11,010	10,362	9,714	9,067	8,419	7,772	7,124	6,476
Z Z				-	-	-	-	-	-	-	-	-	-
∞ ~													
È	Tax Income		2.40%		-	-	-	-	-	-	-	-	-
PROPERTY & FINANCE	Building Aid Reimburseme	ent		152,350									
8				-	-	-	-	-	-	-	-	-	-
4	SUBTOTAL	L		(101,265)	50,437	49,790	49,142	48,494	47,847	47,199	46,552	45,904	45,256
			TOTAL	520,004	689,723	707,615	726,044	745,026	764,578	784,716	805,456	826,817	848,816
											(GRAND TOTAL	\$7,418,793
				Bond Amt:	\$ 775,600		Building Size:	42,233		Total Project Cost	:	\$ 1,385,000	
				Bond Term:	20		Inflation:	2.9% *		State Aid Rate:			Nominal
				Bond Rate:	1.67% **		Value Exist:			State Building Aid		\$ 761,750	-
					2.0.70							+ .02,.30	

^{*} Inflation based on current RS Means Historic Cost Index

 $[\]ensuremath{^{**}}$ Band Rate is last reported sale by the NH Municipal Bond Bank.

Troy Elementary School

Project Cost Worksheet

Student Capacity	200

1.	Site Development Costs				\$200,000
	Land Acquisition				
	Playfields	1	Field		
	Paving	100	Spaces		
	Site Prep & Utilities			\$200,000	
2.	General Construction - New				\$4,838,000
	New Constuction	6,364 s.f.	\$ 182 per s.f.	\$1,158,000	
	Renovation			\$3,564,000	
	Construction Contingency	5.00%		\$58,000	
	Construction Manager Fee	5.00%		\$58,000	
3.	Design Fees				\$320,000
	Civil Engineering	6.00%		\$10,000	, ,
	A&E New Construction	5.00%		\$60,000	
	A&E Renovation	7.00%		\$250,000	
4.	Furniture, Equipment and Servi	CAS			\$460,000
4.	Loose Equipment	5.00%		\$240,000	φ400,000
	Phone Service	1.00%		\$50,000	
	Computers	2.00%		\$100,000	
	Utility Charges	1.50%		\$70,000	
	Clinty Charges	1.0070		Ψ10,000	
5.	Administrative Costs				\$80,000
	Testing	0.25%		\$10,000	
	Survey, Borings	0.25%		\$10,000	
	Clerk of the Works	0.75%		\$40,000	
	Bonding/Legal	0.30%		\$20,000	
6.	Design Contingency	5%			\$300,000

Total Project Cost

\$6,198,000

(Note: all numbers rounded to nearest \$10,000)

Table G

Barker Architects, Inc.

11/30/2020

Troy Elementary School

Bond Cost Worksheet

Student Capacity 200 Core Capacity 248

Square Foot Allowance

State Allowable Formula 144 square feet / student : 35,712 based on core capacity

Previous < 50 y.o.

All Troy additions over 50 years old

Total to Deduct -

Allowable Size 35,712

Construction Cost Allowance

State Allowable Formula \$ 182 per square foot = \$6,499,584

Site and Soft Cost \$1,360,000

Allowable Cost 7,859,584

Reimbursement

Renovation Thresholds Replacement Value \$ 4,029,208

25% Renovation Min. \$ 1,007,302 60% Renovation Max. \$ 2,417,525

State Aid Allowed Project Cost = \$ 6,198,000

55% State Aid Rate \$3,408,900 80% At Start \$2,727,120 20% At Completion \$681,780

Total Project Cost \$6,198,000

Total State Aid \$3,408,900

Total Bond Amount \$3,470,880

Table H

Troy	Elementary Student Capacity		200	Option 3	- Upgrad	les in On	e Year				Life-Cy	cle Cost A	Analysis
	Task	Rat		1	2	3	4	5	6	7	8	9	10
	Division 0	· · ·	ics			-			-	- '	-	-	-
	Division 1				_		_	_			_	_	
	Division 2			_	_	_	_	_	_	_	_	_	_
	Division 3			_	_		_	_			_	_	
	Division 4			_	_		_	_			_	_	
	Division 5												
(A)	Division 6												
BUILDING NEEDS	Division 7												
H	Division 8			_	_	_	_	_	_	_	_	_	_
9 N	Division 9												
$\bar{\Box}$	Division 10			_	_	_	_	_	_	_	_	_	_
ਙ	Division 11			-	-	-	-	-	-	-	-	-	-
_	Division 12			-	-	-	-	-	-	-	-	-	-
	Division 13			-	-	-	-	-	-	-	-	-	-
				-	-	-	-	-	-	-	-	-	-
	Division 14 Division 15			-	-	-	-	-	-	-	-	-	-
				-	-	-	-	-	-	-	-	-	-
	Division 16			-	-	-	-	-	-	-	-	-	-
	SUBTOTAL Water	\$	0.20	6,989	7,192	7,401	7,615	7,836	8,063	8,297	8,538	0 705	9,040
			-		7,192	7,401	7,615	7,030		0,297	0,330	8,785	9,040
	Electricity	\$				- 27 752				21 115		22.045	22.001
UTILITIES	Grid	\$	0.75	26,210	26,970	27,753	28,557	29,386	30,238	31,115	32,017	32,945	33,901
	On-Site	-			-	-	-		-		-		-
	Heating Fuel	\$	-	-	-	-	-	-	-	-	-	-	-
늘	Oil	\$	- 20	12.620	14.025	14 421	14.050	45.200	15 724	16 100	16.640	- 17 122	17.620
5	Propane	\$	0.39	13,629	14,025	14,431	14,850	15,280	15,724	16,180	16,649	17,132	17,628
	Wood	\$	-	-	-	-	-	-	-	-	-	-	-
	Electricity	\$	-	-	-	-	-	-	-	-	-	-	-
	Other	\$	-	-	-	-	-	-	-	-	-	-	-
	Cooking Fuel	\$	-	46.000	40.407	40.504				-		-	50.550
	SUBTOTAL		2.00	46,829	48,187	49,584	51,022	52,502	54,025	55,591	57,204	58,862	60,569
ι,	Cleaning	\$	2.00	69,894	71,921	74,007	76,153	78,361	80,634	82,972	85,378	87,854	90,402
z ö	Repairs	\$	0.20	6,989	7,192	7,401	7,615	7,836	8,063	8,297	8,538	8,785	9,040
₹ Z	Productivity Loss	_	0.90%	11,795	12,137	12,489	12,851	13,223	13,607	14,002	14,408	14,825	15,255
HUMAN	Bussing	\$	1,400	288,120	296,475	305,073	313,920	323,024	332,392	342,031	351,950	362,157	372,659
~				-	-	-	-	-	-	-	-	-	-
	SUBTOTAL	_		376,798	387,725	398,969	410,539	422,445	434,696	447,302	460,274	473,622	487,357
CE	Principal		5.00%	173,544	173,544	173,544	173,544	173,544	173,544	173,544	173,544	173,544	173,544
AN	Interest		1.67%	55,066	52,167	49,269	46,371	43,473	40,575	37,676	34,778	31,880	28,982
E				-	-	-	-	-	-	-	-	-	-
∞													
Ě	Tax Income		2.40%		-	-	-	-	-	-	-	-	-
PROPERTY & FINANCE	Building Aid Reimbursem	ent		701,552	-	-	-	-	-	-	-	-	-
o _R C						-							
-	SUBTOTAL	L		(472,942)	225,711	222,813	219,915	217,017	214,119	211,220	208,322	205,424	202,526
			TOTAL	(49,315)	661,624	671,367	681,477	691,964	702,839	714,114	725,800	737,908	750,452
											GRA	AND TOTAL	\$ 6.288.229
				D 14 .	4 2 470 000		D 1111 C	22.055	_				7 3,200,223
				Bond Amt:	\$ 3,470,880		Building Size:	33,962		otal Project Co	ist:	\$ 6,198,000	

^{1.67% **} * Inflation based on current RS Means Historic Cost Index

20

Bond Term:

Bond Rate:

Inflation:

Value Exist:

2.90% *

State Aid Rate:

State Building Aid:

55% Nominal

\$3,408,900

^{**} Band Rate is last reported sale by the NH Municipal Bond Bank.

OPTION 4

NEW SOUTH ELEMENTARY ADDITIONS / RENOVATIONS TO NORTH SCHOOLS

Cutler Elementary

Project Cost Worksheet

Student Capacity 300

1.	Site Development Costs				\$200,000
	Land Acquisition				
	Playfields	1	Field		
	Paving	100	Spaces		
	Site Prep & Utilities			\$200,000	
2.	General Construction - New				\$2,940,000
	New Constuction	3,675 s.f.	\$ 182 per s.:	f. \$669,000	, , ,
	Renovation		•	\$2,205,000	
	Construction Contingency	5.00%		\$33,000	
	Construction Manager Fee	5.00%		\$33,000	
3.	Design Fees				\$190,000
J .	Civil Engineering	6.00%		\$10,000	Ψ130,000
	A&E New Construction	5.00%		\$30,000	
	A&E Renovation	7.00%		\$150,000	
	/ tall removation	7.0070		Ψ100,000	
4.	Furniture, Equipment and Servi	ces			\$280,000
	Loose Equipment	5.00%		\$150,000	
	Phone Service	1.00%		\$30,000	
	Computers	2.00%		\$60,000	
	Utility Charges	1.50%		\$40,000	
5.	Administrative Costs				\$50,000
	Testing	0.25%		\$10,000	
	Survey, Borings	0.25%		\$10,000	
	Clerk of the Works	0.75%		\$20,000	
	Bonding/Legal	0.30%		\$10,000	
6.	Design Contingency	5%			\$200,000

Total Project Cost

\$3,860,000

(Note: all numbers rounded to nearest \$10,000)

Table G

Barker Architects, Inc. 11/30/2020

Cutler Elementary	200	Cours Course!!		d Cost Worksheet
Student Capacity	300	Core Capacity	350	1
Square Foot Allowance				
State Allowable Formula Previous < 35 y.o.		square feet / student :	42,000	based on core capacity
Original School 3-Story Addition Classroom Wing	1900 1950's 1970's			Older than 35 years Older than 35 years Older than 35 years
Gym Addition Pre-School	1990		11,382	Older than 35 years
		Total to Deduct	11,382	
Allowable Size			30,618	
Construction Cost Allowance				
State Allowable Formula \$ Site and Soft Cost	182	per square foot =	\$5,572,476 \$920,000	
Allowable Cost			6,492,476	
Reimbursement				
Renovation Thresholds		Replacement Value 25% Renovation Min. 60% Renovation Max		

Allowed Project Cost

55% State Aid Rate

20% At Completion

80% At Start

State Aid

Total Project Cost	\$3,860,000
rotar rojout out	ψο,οοο,οοο

\$2,123,000

\$1,698,400

\$424,600

Total State Aid \$2,123,000

Total Bond Amount \$2,161,600

Table H

3,860,000

Cutle	er Elementary			Option 4	- New So	uth Elem	nentary, A	Add/Rend	North S	chools	Life-Cy	cle Cost A	Analysis
	Student Capacity		275 Y	'ear									
	Task	Rat		1	2	3	4	5	6	7	8	9	10
	Division 0			-	-	-	-	-	-	-	-	-	-
	Division 1												
	Division 2			-	-	-	-	-	-	-	-	-	-
	Division 4			-	-	-	-	-	-	-	-	-	-
	Division 4 Division 5			-	-	-	-	-	-		-	-	
S	Division 6			-	_	_	_	_	_	_	_	_	-
E	Division 7			-		_	_	_	_		_	_	
BUILDING NEEDS	Division 8			-	-	-	-	-	-	-	-	-	-
Ĭ.	Division 9			-	-	-	-	-	-	-	-	-	-
불	Division 10			-	-	-	-	-	-	-	-	-	-
盈	Division 11			-	-	-	-	-	-	-	-	-	-
	Division 12			-	-	-	-	-	-	-	-	-	-
	Division 13			-	-	-	-	-	-	-	-	-	-
	Division 14			-	-	-	-	-	-	-	-	-	-
	Division 15 Division 16			-	-	-	-	-	-		-	-	
	SUBTOTA	AL.		-	-	-				-			_
	Water	\$	0.20	7,911	8,140	8,376	8,619	8,869	9,126	9,391	9,663	9,944	10,232
	Electricity	\$	-	-	-	-	-	-	-	-	-	-	-
	Grid	\$	0.75	29,666	30,526	31,411	32,322	33,259	34,224	35,216	36,238	37,289	38,370
	On-Site	-		-	-	-	-	-	-	-	-	-	-
S	Heating Fuel	\$	-	-	-	-	-	-	-	-	-	-	-
UTILITIES	Oil	\$	0.87	34,412	-	-			-	-	-	-	-
5	Propane	\$	0.80	-	32,561	33,505	34,477	35,477	36,505	37,564	38,654	39,774	40,928
	Wood Electricity	\$ \$	0.40 0.40	-	-		-		-		-	-	
	Other	\$	-		-					_			
	Cooking Fuel	\$	0.02	791	814	838	862	887	913	939	966	994	1,023
	SUBTOTA			72,779	72,041	74,130	76,280	78,492	80,768	83,111	85,521	88,001	90,553
	Cleaning	\$	2.00	79,108	81,402	83,763	86,192	88,692	91,264	93,910	96,634	99,436	102,320
HUMAN	Repairs	\$	0.20	7,911	8,140	8,376	8,619	8,869	9,126	9,391	9,663	9,944	10,232
MAI	Productivity Loss		0.90%	13,349	13,737	14,135	14,545	14,967	15,401	15,847	16,307	16,780	17,266
ES E	Bussing/Student	\$	1,600	452,760	465,890	479,401	493,303	507,609	522,330	537,478	553,064	569,103	585,607
_ #				-	-	-	-	-	-	-	-	-	-
	SUBTOTA	AL.	F 00%	553,128	569,169	585,675	602,660	620,137	638,121	656,626	675,668	695,263	715,425
필	Principal Interest		5.00% 1.67%	108,080 34,294	108,080 32,489	108,080 30,684	108,080 28,879	108,080 27,074	108,080 25,269	108,080 23,464	108,080 21,659	108,080 19,854	108,080 18,049
FINANCE	interest		1.0770	-	-	-	28,673	27,074	23,203	23,404	21,033	13,634	10,045
8 E				-		_	_	_	_		_	_	
~	Tax Income			-	-	-	-	-	-	-	-	-	-
PER.	Building Aid Reimbursem	nent		424,600									
PROPERTY				-	-	-	-	-	-	-	-	-	-
Δ.	SUBTOTA	٩L		(282,226)	140,569	138,764	136,959	135,154	133,349	131,544	129,739	127,934	126,129
			TOT::	242 555	704	700	045 000	000	052 222	074 001	000 000	044	022 : 22
			TOTAL	343,682	781,779	798,569	815,899	833,783	852,238	871,281	890,929	911,198	932,108
											GI	RAND TOTAL	\$ 8,031,465

GRAND TOTAL \$ 8,031,465

Bond Amt:	\$ 2,161,600	Building Size:	38,439	Total Project Cost:	\$ 3,860,000
Bond Term:	20	Inflation:	2.90% *	State Aid Rate:	55% Nominal
Bond Rate:	1.67% **	Value Exist:		State Building Aid:	\$2,123,000

^{*} Inflation based on current RS Means Historic Cost Index

 $[\]ensuremath{^{**}}$ Band Rate is last reported sale by the NH Municipal Bond Bank.

Gilsum Elementary

Project Cost Worksheet

Student Capacity 100

1.	Site Development Costs				\$0
	Land Acquisition				
	Playfields	1	Field		
	Paving Site Prep & Utilities	100	Spaces		
	Site Prep & Otilities				
2.	General Construction - New				\$3,657,000
	New Constuction	8,383 s.f.	\$ 182 per s.f.	\$1,526,000	
	Renovation			\$1,979,000	
	Construction Contingency	5.00%		\$76,000	
	Construction Manager Fee	5.00%		\$76,000	
3.	Design Fees				\$180,000
	Civil Engineering	6.00%		\$0	
	A&E New Construction	5.00%		\$180,000	
	A&E Renovation	7.00%		\$0	
4.	Furniture, Equipment and Servi	ces			\$340,000
	Loose Equipment	5.00%		\$180,000	. ,
	Phone Service	1.00%		\$40,000	
	Computers	2.00%		\$70,000	
	Utility Charges	1.50%		\$50,000	
5.	Administrative Costs				\$60,000
	Testing	0.25%		\$10,000	
	Survey, Borings	0.25%		\$10,000	
	Clerk of the Works	0.75%		\$30,000	
	Bonding/Legal	0.30%		\$10,000	
6.	Design Contingency	5%			\$200,000

Total Project Cost

\$4,437,000

(Note: all numbers rounded to nearest \$10,000)

Table G

Gilsum Elementary Student Capacity	100	Core Capacity	Bonc 160	l Cost Worksheet
Square Foot Allowance				
State Allowable Formula Previous < 35 y.o. Original 1970's 1980's 1990's	144	square feet / student =	23,040 7,890	Older than 35 years Older than 35 years Older than 35 years Older than 35 years
Pre-School				
Allowable Size		Total to Deduct	7,890 15,150	
Construction Cost Allowance				
State Allowable Formula Site and Soft Cost	\$ 182	per square foot =	\$2,757,300 \$780,000	
Allowable Cost			\$2,772,450	
Reimbursement				
Renovation Thresholds		Replacement Value 25% Renovation Min. 60% Renovation Max.	\$ 3,288,376 \$ 822,094 \$ 1,973,026	
State Aid	55% 80% 20%		= \$1,524,848 \$1,219,878 \$304,970	\$ 2,772,450
		Total Proj	ect Cost	\$4,437,000
		Total S	State Aid	\$1,524,848
		Total Bond	Amount	\$3,217,122

Gilsu	m STEAM Acaden	ny 10	0	4 - New Soເ	ıth Ele	mentary, A	Add/Renc	North	Schools	Life-Cy	cle Cost	Analysis
	Task F	Rates	Year 1	. 2	3	4	5	6	7	8	9	10
	Division 0	tates	-	-	-	-	-	-	-	-	-	-
	Division 1		-	-	-	-	-	-	-	-	-	-
	Division 2		-	-	-	-	-	-	-	-	-	-
	Division 3		-	-	-	-	-	-	-	-	-	-
	Division 4		-	-	-	-	-	-	-	-	-	-
	Division 5		-	-	-	-	-	-	-	-	-	-
S	Division 6		-	-	-	-	-	-	-	-	-	-
田田	Division 7		-	-	-	-	-	-	-	-	-	-
BUILDING NEEDS	Division 8		-	-	-	-	-	-	-	-	-	-
	Division 9		-	-	-	-	-	-	-	-	-	-
=	Division 10		-	-	-	-	-	-	-	-	-	-
一面	Division 11		-	-	-	-	-	-	-	-	-	-
	Division 12		-	-	-	-	-	-	-	-	-	-
	Division 13		-	-	-	-	-	-	-	-	-	-
	Division 14		-	-	-	-	-	-	-	-	-	-
	Division 15		-	-	-	-	-	-	-	-	-	-
	Division 16		-	-	-	-	-	-	-	-	-	-
	SUBTOTAL				-		-	-	-	-	-	
		\$ 0.20	5,444	5,601	5,764	5,931	6,103	6,280	6,462	6,650	6,842	7,041
		\$ -	- 22.425		-	-	-	-	-	-	-	-
		\$ 0.85	23,135	23,806	24,496	25,207	25,938	26,690	27,464	28,260	29,080	29,923
	On-Site	-	-	-	-	-	-	-	-	_	-	-
ES		\$ -	- 25.505	-	27.000	-	-	-	-	-	-	-
UTILITIES		\$ 0.94 \$ 0.40		26,327	27,090	11 062	12 206	12 560	12.024	12 200	12.605	14,082
5		\$ 0.40 \$ -	-	-	-	11,862	12,206	12,560	12,924	13,299	13,685	14,082
		\$ - \$ -	-	-	-	-	-	-	-	-	-	-
		\$ - \$ -	-	-	-	-	-	-	-	-	-	-
		, - ; -	-	•	-	-	-	-	-	-	-	-
	SUBTOTAL	, -	54,163	55,734	57,350	43,000	44,247	45,530	46,850	48,209	49,607	51,046
		\$ 2.00		56,014	57,639	59,310	61,030	62,800	64,621	66,495	68,423	70,408
S		\$ 0.20	,	5,601	5,764	5,931	6,103	6,280	6,462	6,650	6,842	7,041
A AN	Productivity Loss	0.90	,	9,452	9,726	10,009	10,299	10,597	10,905	11,221	11,546	11,881
HUMAN	· ·	\$ 1,600	,	169,415	174,328	179,383	184,585	189,938	195,446	201,114	206,947	212,948
HUMAN	Dussing	2,000	-	-		-	-	-	-	-	-	-
_	SUBTOTAL		233,705	240,482	247,456	254,633	262,017	269,616	277,434	285,480	293,759	302,278
ш	Principal	5.00		160,856	160,856	160,856	160,856	160,856	160,856	160,856	160,856	160,856
S	Interest	1.67	,	48,353	45,667	42,981	40,294	37,608	34,922	32,236	29,549	26,863
& FINANCE			-	-	-	-	-	-	-	-	-	-
∞												
≥	Tax Income		-	-	-	-	-	-	-	-	-	-
띪	Building Aid Reimbursemen	t	304,970	-	-	-	-	-	-	-	-	-
PROPERTY			-	-	-	-	-	-	-	-	-	-
Δ.	SUBTOTAL		(93,074)	209,209	206,523	203,837	201,151	198,464	195,778	193,092	190,405	187,719
		TOTA	L 194,795	505,426	511,330	501,469	507,414	513,610	520,063	526,781	533,771	541,043
										G	RAND TOTAL	\$ 4,855,701
											4	
			Bond Amt:	\$ 3,217,122		Building Size:	26,451		Total Project Cos	τ:	\$ 4,437,000	NI ! !
			Bond Term:	20		Inflation:	2.90% *		State Aid Rate:	J.		Nominal ***
			Bond Rate:	1.67% **		Value Exist:			State Building Air	J.	\$1,524,848	

^{*} Inflation based on current RS Means Historic Cost Index

^{***} Limited by Previous Additions

 $[\]ensuremath{^{**}}$ Band Rate is last reported sale by the NH Municipal Bond Bank.

Mt Ceasar Elementary

Project Cost Worksheet

Student Capacity 250

1.	Site Development Costs				\$100,000
	Land Acquisition				
	Playfields	1	Field		
	Paving	100	Spaces		
	Site Prep & Utilities			\$100,000	
2.	General Construction - New				\$1,015,000
	New Constuction	3,745 s.f.	\$ 182 per s.f	f. \$682,000	
	Renovation		•	\$265,000	
	Construction Contingency	5.00%		\$34,000	
	Construction Manager Fee	5.00%		\$34,000	
	v				
3.	Design Fees				\$60,000
J .	Civil Engineering	6.00%		\$10,000	ψ00,000
	A&E New Construction	5.00%		\$30,000	
	A&E Renovation	7.00%		\$20,000	
	AGE Renovation	7.0070		Ψ20,000	
4.	Furniture, Equipment and Serv	ices			\$100,000
	Loose Equipment	5.00%		\$50,000	
	Phone Service	1.00%		\$10,000	
	Computers	2.00%		\$20,000	
	Utility Charges	1.50%		\$20,000	
5.	Administrative Costs				\$10,000
	Testing	0.25%		\$0	, , , , , ,
	Survey, Borings	0.25%		\$0	
	Clerk of the Works	0.75%		\$10,000	
	Bonding/Legal	0.30%		\$0	
	· · · · · · · · · · · · · · · · · ·	3.00.0		~~	
6.	Design Contingency	5%			\$100,000
J .	Doolgii Contingency	070			Ψ100,000

Total Project Cost

\$1,385,000

(Note: all numbers rounded to nearest \$10,000)

Table G

Barker Architects, Inc. 11/30/2020

Mt Ceasar Elementary			Bono	l Cost Worksheet
Student Capacity	250	Core Capacity	290	
Square Foot Allowance				
State Allowable Formula Previous < 35 y.o.	120	square feet / student =	34,800	based on core capacity
Original Schools 1st Additions	1900, 1950 1950's			Older than 35 years Older than 35 years
Mt Ceasar Additions Mt Ceasar Additions Pre-School	1987 2000		4,733 2,345	Older than 35 years
i io concei		Total to Deduct	7,078	
Allowable Size			27,722	
Construction Cost Allowance				
State Allowable Formula Site and Soft Cost	\$ 182	per square foot =	\$5,045,404 \$370,000	
Allowable Cost			\$5,415,404	
Reimbursement				
Renovation Thresholds		Replacement Value 25% Renovation Min. 60% Renovation Max.	\$ 7,004,816 \$ 1,751,204 \$ 4,202,890	
State Aid	55% 80% 20%	Allowed Project Cost State Aid Rate At Start At Completion	= \$761,750 \$609,400 \$152,350	\$ 1,385,000
		Total Proj	ect Cost	\$1,385,000
		Total S	State Aid	\$761,750
		Total Bond	Amount	\$775,600

Mt C	aesar Elementary Student Capacity	325		- New Sou	ıth Ele	mentary, A	Add/Reno	North	Schools	Life-Cy	ycle Cost	Analysis
	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		Year									
		ates	1	2	3	4	5	6	7	8	9	10
	Division 0		-	-	-	-	-	-	-	-	-	-
	Division 1		-	-	-	-	-	-	-	-	-	-
	Division 2 Division 3		-	-	-	-	-	-	-	-	-	-
	Division 4		-	-			-					
	Division 5		_	-	_	-	-	_	-	_	-	_
S	Division 6		-	-	-	-	-	-	-	-	-	-
	Division 7		-	-	-	-	-	-	-	-	-	-
BUILDING NEEDS	Division 8		-	-	-	-	-	-	-	-	-	-
Ž	Division 9		-	-	-	-	-	-	-	-	-	-
3	Division 10		-	-	-	-	-	-	-	-	-	-
Ω	Division 11		-	-	-	-	-	-	-	-	-	-
	Division 12		-	-	-	-	-	-	-	-	-	-
	Division 13 Division 14		-	-	-	-	-	-	-	-	-	-
	Division 15		-	-		-	-	-			_	-
	Division 16		_	-	_	_	_	_	-	-	_	_
	SUBTOTAL		-	-	-	-	-	-	-	-	-	-
	Water \$	0.20	8,692	8,944	9,203	9,470	9,745	10,027	10,318	10,617	10,925	11,242
	Electricity \$		-	-	-	-	-	-	-	-	-	-
	Grid \$	0.75	32,594	33,539	34,511	35,512	36,542	37,602	38,692	39,814	40,969	42,157
	On-Site -		-	-	-	-	-	-	-	-	-	-
ES	Heating Fuel \$		-	-	-	-	-	-	-	-	-	-
UTILITIES	Oil \$ Propane \$		16,949	17,440	- 17,946	18,466	19,002	- 19,553	20,120	20,703	21,304	- 21,922
5	Wood \$		10,545	17,440	17,540	18,400	19,002	19,333	20,120	20,703	21,304	21,922
	Electricity \$		_	-	_	-	-	_	-	_	-	_
	Other		-	-	-	-	-	-	-	-	-	-
	Cooking Fuel \$	-	-	-	-	-	-	-	-	-	-	-
	SUBTOTAL		58,234	59,923	61,660	63,449	65,289	67,182	69,130	71,135	73,198	75,321
	Cleaning \$		86,916	89,437	92,030	94,699	97,446	100,272	103,179	106,172	109,251	112,419
CES 'A	Repairs \$		8,692	8,944	9,203	9,470	9,745	10,027	10,318	10,617	10,925	11,242
HUMAN	Productivity Loss	0.90%		15,092	15,530	15,981	16,444	16,921	17,412	17,916	18,436	18,971
HUMAN	Bussing \$	1,600	452,760 -	465,890	479,401	493,303	507,609	522,330	537,478	553,064	569,103	585,607
~	SUBTOTAL		563,035	579,363	596,164	613,453	631,243	649,549	668,386	687,770	707,715	728,239
	Principal	5.00%		38,780	38,780	38,780	38,780	38,780	38,780	38,780	38,780	38,780
S	Interest	1.67%	,	11,657	11,010	10,362	9,714	9,067	8,419	7,772	7,124	6,476
₹			-	-	-	-	-	-	-	-	-	-
8												
₹	Tax Income	2.40%		-	-	-	-	-	-	-	-	-
E	Building Aid Reimbursement		152,350									
PROPERTY & FINANCE	CURTOTAL		(404.255)	-	40.700	-	-	47.047	-	46.553	45.004	45.256
_	SUBTOTAL		(101,265)	50,437	49,790	49,142	48,494	47,847	47,199	46,552	45,904	45,256
		TOTAL	520,004	689,723	707,615	726,044	745,026	764,578	784,716	805,456	826,817	848,816
		IOIAL	320,004	303,723	707,013	720,044	743,020	704,570	704,710	303,430	020,017	040,010
										(GRAND TOTAL	\$ 7,418,793
			Bond Amt:	\$ 775,600		Building Size:	42,233		Total Project Cost	::	\$ 1,385,000	
			Bond Term:	20		Inflation:	2.90% *		State Aid Rate:			Nominal
			Bond Rate:	1.67% **		Value Exist:			State Building Aid	l:	\$ 761,750	

 $[\]ensuremath{^{*}}$ Inflation based on current RS Means Historic Cost Index

 $[\]ensuremath{^{**}}$ Band Rate is last reported sale by the NH Municipal Bond Bank.

New Elementary School

Project Cost Worksheet

Student Capacity 400

1.	Site Development Costs				\$700,000
	Land Acquisition			??	
	Playfields	1	Field	\$300,000	
	Paving	100	Spaces	\$200,000	
	Site Prep & Utilities			\$200,000	
2.	General Construction - New				\$12,299,000
	New Constuction	61,433 s.f.	\$ 182 per s		
	Renovation			\$0	
	Construction Contingency	5.00%		\$559,000	
	Construction Manager Fee	5.00%		\$559,000	
3.	Design Fees				\$600,000
0.	Civil Engineering	6.00%		\$40,000	φοσο,σσσ
	A&E New Construction	5.00%		\$560,000	
	A&E Renovation	7.00%		\$0	
	AGE Relievation	7.0070		ΨΟ	
4.	Furniture, Equipment and Serv	/ices			\$1,160,000
	Loose Equipment	5.00%		\$610,000	
	Phone Service	1.00%		\$120,000	
	Computers	2.00%		\$250,000	
	Utility Charges	1.50%		\$180,000	
_	A desiminate ative Conta				¢200,000
5.	Administrative Costs	0.25%		¢20.000	\$200,000
	Testing			\$30,000	
	Survey, Borings	0.25%		\$30,000	
	Clerk of the Works	0.75%		\$100,000	
	Bonding/Legal	0.30%		\$40,000	
6.	Design Contingency	5%			\$700,000

Total Project Cost

\$15,659,000

(Note: all numbers rounded to nearest \$10,000)

Table G

New Elementary School Student Capacity	400	Core Capacity	Bono 510	l Cost Worksheet
Square Foot Allowance				
State Allowable Formula Previous < 50 y.o.	120 :	square feet / student =	61,200	based on core capacity
Emerson Gym/CR Add.	1990		19,706	
Pre-School			2,000	
		Total to Deduct	21,706	
Allowable Size			39,494	
Construction Cost Allowance				
State Allowable Formula \$ Site and Soft Cost	182	per square foot =	\$7,187,908 \$3,360,000	
Allowable Cost			10,547,908	
Reimbursement				
Renovation Thresholds	2	Replacement Value 25% Renovation Min. 60% Renovation Max.		
State Aid	55% 80% 20%	Allowed Project Cost State Aid Rate At Start At Completion	= \$5,801,349 \$4,641,080 \$1,160,270	\$ 10,547,908
		Total Proje	ect Cost	\$15,659,000

Total State Aid \$5,801,349

Barker Architects, PLLC 11/30/2020

Total Bond Amount \$11,017,920

New	South Elementary	/		4 - New So	outh Ele	mentary,	Add/Ren	o North	Schools	Life-C	ycle Cost	Analysis
			Year									
		Rates	1	2	3	4	5	6	7	8	9	10
	Division 0		-	-	-	-	-	-	-	-	-	-
	Division 1 Division 2											
	Division 3					-	-					
	Division 4		_	_	_	_	_		_	_	_	_
	Division 5		-	-	-	-	-	-	-	-	_	-
S	Division 6		-	-	-	-	-	-	-	-	-	-
BUILDING NEEDS	Division 7		-	-	-	-	-	-	-	-	-	-
Z U	Division 8		-	-	-	-	-	-	-	-	-	-
	Division 9		-	-	-	-	-	-	-	-	-	-
3	Division 10		-	-	-	-	-	-	-	-	-	-
ω	Division 11		-	-	-	-	-	-	-	-	-	-
	Division 12		-	-	-	-	-	-	-	-	-	-
	Division 13		-	-	-	-	-	-	-	-	-	-
	Division 14 Division 15		-	-	-	-	-	-	-	-	-	-
	Division 16		-	-	-	-	-		-		-	-
	SUBTOTAL		-	-	-	_						
		\$ 0.20	12,643	13,010	13,387	13,775	14,175	14,586	15,009	15,444	15,892	16,353
		; ; -	-	-	· -	· -	-	· -	-	-	· -	-
	Grid	\$ 0.60	37,929	39,029	40,161	41,325	42,524	43,757	45,026	46,332	47,675	49,058
	On-Site	-	-	-	-	-	-	-	-	-	-	-
κ	Heating Fuel	\$ -	-	-	-	-	-	-	-	-	-	-
農		\$ -	-	-	-	-	-	-	-	-	-	-
UTILITIES	Propane	\$ 0.30	18,964	19,514	20,080	20,663	21,262	21,879	22,513	23,166	23,838	24,529
ے		\$ -	-	-	-	-	-	-	-	-	-	-
	· ·	\$ -	-	-	-	-	-	-	-	-	-	-
		\$ -	-	-	-			-	-		-	-
		\$ 0.02		1,301	1,339	1,378	1,417	1,459	1,501	1,544	1,589	1,635
	SUBTOTAL	ć 1.00	70,801	72,854	74,967	77,141	79,378	81,680	84,049	86,486	88,994	91,575
S		\$ 1.00 \$ 0.10		65,048 6,505	66,935 6,693	68,876 6,888	70,873 7,087	72,928 7,293	75,043 7,504	77,220 7,722	79,459 7,946	81,763 8,176
A S	Productivity Loss	0.709		17,075	17,570	18,080	18,604	19,144	19,699	20,270	20,858	21,463
HUMAN		\$ 1,800		762,366	784,474	807,224	830,633	854,722	879,509	905,014	931,260	958,266
HUMAN	Dussing	7 1,000	740,000	702,300	704,474	-	-	- 034,722	675,505	505,014	-	-
	SUBTOTAL		827,010	850,994	875,673	901,067	927,198	954,087	981,755	1,010,226	1,039,523	1,069,669
ш	Principal	5.009		550,896	550,896	550,896	550,896	550,896	550,896	550,896	550,896	550,896
N _S	Interest	1.679	6 174,799	165,599	156,399	147,199	137,999	128,799	119,600	110,400	101,200	92,000
ΣŽ			-	-	-	-	-	-	-	-	-	-
8			-	-	-	-	-	-	-	-	-	-
È	Tax Income	2.409	6 86,436	88,943	91,522	94,176	96,907	99,718	102,609	105,585	108,647	111,798
E E	Building Aid Reimbursement	t	1,160,270									
PROPERTY & FINANCE			-	-	-	-	-	-	-	-	-	-
Δ.	SUBTOTAL		(521,011)	627,553	615,773	603,919	591,988	579,978	567,886	555,711	543,449	531,098
		TOT:	270.001	4 554 400	1 500 400	4 502 425	1 500 501	1 645 745	1 622 625	1.052.422	1 674 067	1 602 242
		TOTA	L 376,801	1,551,400	1,566,413	1,582,127	1,598,564	1,615,745	1,633,690	1,652,423	1,671,965	1,692,342
											GRAND TOTAL	\$ 14,941,469
			Bond Amt: Bond Term:	\$ 11,017,920 20		Building Size: Inflation:	61,433 2.90%	*	Total Project C State Aid Rate		\$ 15,659,000	Nominal
			Bond Rate:	1.67%	**	Value Exist:	\$ 3,500,000		State Building		\$5,801,349	···

^{*} Inflation based on current RS Means Historic Cost Index

 $[\]ensuremath{^{**}}$ Band Rate is last reported sale by the NH Municipal Bond Bank.

OPTION 5

NEW SOUTH ELEMENTARY ADDITIONS / RENOVATIONS TO MT CAESAR FOR SWANZEY ADDITIONS / RENOVATIONS TO GILSUM

Gilsum Elementary

Project Cost Worksheet

Student Capacity 100

1.	Site Development Costs				\$0
	Land Acquisition				
	Playfields	1	Field		
	Paving	100	Spaces		
	Site Prep & Utilities				
2.	General Construction - New				\$3,657,000
۷.	New Construction	8,383 s.f.	\$ 182 per s.f.	\$1,526,000	ψ0,007,000
	Renovation	0,000 3.1.	ψ 102 μα 3.1.	\$1,979,000	
	Construction Contingency	5.00%		\$76,000	
	Construction Manager Fee	5.00%		\$76,000	
	Construction manager 1 co	0.0070		ψ. 0,000	
3.	Design Fees				\$180,000
	Civil Engineering	6.00%		\$0	
	A&E New Construction	5.00%		\$180,000	
	A&E Renovation	7.00%		\$0	
4.	Furniture, Equipment and Servi	ces			\$340,000
	Loose Equipment	5.00%		\$180,000	, ,
	Phone Service	1.00%		\$40,000	
	Computers	2.00%		\$70,000	
	Utility Charges	1.50%		\$50,000	
5.	Administrative Costs				\$60,000
J.	Testing	0.25%		\$10,000	φου,υυυ
	Survey, Borings	0.25%		\$10,000	
	Clerk of the Works	0.25%		\$30,000	
	Bonding/Legal	0.73%		\$10,000	
	Donaing/Logal	0.00 /0		ψ10,000	
0		5 0/			# 0000 000
6.	Design Contingency	5%			\$200,000

Total Project Cost

\$4,437,000

(Note: all numbers rounded to nearest \$10,000)

Table G

Gilsum Elementary Student Capacity	100	Core Capacity	Bonc 160	l Cost Worksheet
Square Foot Allowance				
State Allowable Formula Previous < 35 y.o. Original 1970's 1980's 1990's	144	square feet / student =	23,040 7,890	Older than 35 years Older than 35 years Older than 35 years Older than 35 years
Pre-School				
Allowable Size		Total to Deduct	7,890 15,150	
Construction Cost Allowance				
State Allowable Formula Site and Soft Cost	\$ 182	per square foot =	\$2,757,300 \$780,000	
Allowable Cost			\$2,772,450	
Reimbursement				
Renovation Thresholds		Replacement Value 25% Renovation Min. 60% Renovation Max.	\$ 3,288,376 \$ 822,094 \$ 1,973,026	
State Aid	55% 80% 20%		= \$1,524,848 \$1,219,878 \$304,970	\$ 2,772,450
		Total Proj	ect Cost	\$4,437,000
		Total S	State Aid	\$1,524,848
		Total Bond	Amount	\$3,217,122

Gilsu	m STEAM Aca Student Capacity	dem	y	-	์ - New Soเ	ıth, Mt	: Caesar No	orth and (Gilsum		Life-Cy	cle Cost A	Analysis
	Task	Rat	tes	1	2	3	4	5	6	7	8	9	10
	Division 0			-	-	-	-	-	-	-	-	-	-
	Division 1			-	-	-	-	-	-	-	-	-	-
	Division 2			-	-	-	-	-	-	-	-	-	-
	Division 3			-	-	-	-	-	-	-	-	-	-
	Division 4			-	-	-	-	-	-	-	-	-	-
	Division 5			-	-	-	-	-	-	-	-	-	-
EDS	Division 6			-	-	-	-	-	-	-	-	-	-
Ē	Division 7			-	-	-	-	-	-	-	-	-	-
BUILDING NEEDS	Division 8 Division 9			-	-	-	-	-	-	-	-	-	-
	Division 10			-	-	-	-	-	-	-	-	-	-
B	Division 11				-			-	_		_	_	
_	Division 12			_	_	-		_	_		_	_	
	Division 13			_	_	_	_	_	_	_	_	_	_
	Division 14			-	-	_	-		_				-
	Division 15			-	-	-	-	-	-	-	-	-	-
	Division 16			-	-	-	-	-	-	-	-	-	-
	SUBTO	OTAL		-	-	-	-	-	-	-	-	-	-
	Water	\$	0.20	5,444	5,601	5,764	5,931	6,103	6,280	6,462	6,650	6,842	7,041
	Electricity	\$	-	-	-	-	-	-	-	-	-	-	-
	Grid	\$	0.85	23,135	23,806	24,496	25,207	25,938	26,690	27,464	28,260	29,080	29,923
	On-Site	-		-	-	-	-	-	-	-	-	-	-
ES	Heating Fuel	\$	-	-	-	-	-	-	-	-	-	-	-
Ē	Oil	\$	0.94	25,585	26,327	27,090		-	-				
UTILITIES	Propane	\$	0.40	-	-	-	11,862	12,206	12,560	12,924	13,299	13,685	14,082
	Wood	\$	-	-	-	-	-	-	-	-	-	-	-
	Electricity	\$	-	-	-	-	-	-	-	-	-	-	-
	Other	\$ \$		-	-	-	-	-	-	-	-	-	-
	Cooking Fuel SUBTO			54,163	55,734	57,350	43,000	44,247	45,530	46,850	48,209	49,607	51,046
	Cleaning	\$	2.00	54,435	56,014	57,639	59,310	61,030	62,800	64,621	66,495	68,423	70,408
S	Repairs	\$	0.20	5,444	5,601	5,764	5,931	6,103	6,280	6,462	6,650	6,842	7,041
RESOURCES	Productivity Loss	Y	0.90%		9,452	9,726	10,009	10,299	10,597	10,905	11,221	11,546	11,881
SOURCE	Bussing	\$	1,600	164,640	169,415	174,328	179,383	184,585	189,938	195,446	201,114	206,947	212,948
RES		•	_,		-	,	-	-	-	-	-	-	,
	SUBTO	OTAL		233,705	240,482	247,456	254,633	262,017	269,616	277,434	285,480	293,759	302,278
щ	Principal		5.00%	160,856	160,856	160,856	160,856	160,856	160,856	160,856	160,856	160,856	160,856
Š	Interest		1.67%	51,040	48,353	45,667	42,981	40,294	37,608	34,922	32,236	29,549	26,863
₹				-	-	-	-	-	-	-	-	-	-
⊗ ≖													
È	Tax Income			-	-	-	-	-	-	-	-	-	-
ER.	Building Aid Reimburs	sement		304,970	-	-	-	-	-	-	-	-	-
PROPERTY & FINANCE				-	-	-	-	-	-	-	-	-	-
ш.	SUBTO	OTAL		(93,074)	209,209	206,523	203,837	201,151	198,464	195,778	193,092	190,405	187,719
			TOTAL	194,795	505,426	511,330	501,469	507,414	513,610	520,063	526,781	533,771	541,043
											GF	RAND TOTAL	\$ 4,855,701
				Bond Amt:	\$ 3,217,122		Building Size:	26,451	т	otal Project Co	net:	\$ 4,437,000	
				Bond Term:	20		Inflation:	2.90% *		itate Aid Rate:	,st	55% N	Nominal

^{*} Inflation based on current RS Means Historic Cost Index

1.67% **

Bond Rate:

State Building Aid:

Value Exist:

\$1,524,848 ***

^{***} Limited by Previous Additions

 $[\]ensuremath{^{**}}$ Band Rate is last reported sale by the NH Municipal Bond Bank.

Mt Ceasar Elementary

Project Cost Worksheet

Student Capacity	550
------------------	-----

1.	Site Development Costs				\$400,000
	Land Acquisition				
	Playfields	1	Field		
	Paving	100	Spaces	\$100,000	
	Site Prep & Utilities			\$300,000	
2.	General Construction - New				\$7,344,000
	New Constuction	35,357 s.f.	\$ 182 per s.f.	\$6,435,000	
	Renovation		·	\$265,000	
	Construction Contingency	5.00%		\$322,000	
	Construction Manager Fee	5.00%		\$322,000	
	•				
0	D				фосо ооо
3.	Design Fees	0.000/		#00.000	\$360,000
	Civil Engineering	6.00%		\$20,000	
	A&E New Construction	5.00%		\$320,000	
	A&E Renovation	7.00%		\$20,000	
4.	Furniture, Equipment and Serv	/ices			\$700,000
	Loose Equipment	5.00%		\$370,000	
	Phone Service	1.00%		\$70,000	
	Computers	2.00%		\$150,000	
	Utility Charges	1.50%		\$110,000	
-	A 1 · · · · · · · · · · · · · · · · · ·				\$400.000
5.	Administrative Costs	0.050/		400.000	\$120,000
	Testing	0.25%		\$20,000	
	Survey, Borings	0.25%		\$20,000	
	Clerk of the Works	0.75%		\$60,000	
	Bonding/Legal	0.30%		\$20,000	
6.	Design Contingency	5%			\$400,000

Total Project Cost

\$9,324,000

(Note: all numbers rounded to nearest \$10,000)

Table G

Mt Ceasar Elementary			Bono	l Cost Worksheet
Student Capacity	550	Core Capacity	650	
Square Foot Allowance				
State Allowable Formula Previous < 35 y.o.	120	square feet / student =	78,000	based on core capacity
Original Schools 1st Additions Early Cutler Additions	1900, 1950 1950's			Older than 35 years Older than 35 years Older than 35 years
Mt Ceasar Additions Mt Ceasar Additions Cutler Gym Pre-School	1987 2000 1990's		4,733 11,382	Older than 35 years
Allowable Size		Total to Deduct	16,115 61,885	
Construction Cost Allowance				
State Allowable Formula Site and Soft Cost	\$ 182	per square foot =	\$11,263,070 \$1,980,000	
Allowable Cost			\$13,243,070	
Reimbursement				
Renovation Thresholds		Replacement Value 25% Renovation Min. 60% Renovation Max.	\$ 7,004,816 \$ 1,751,204 \$ 4,202,890	
State Aid	55% 80% 20%		= \$5,128,200 \$4,102,560 \$1,025,640	\$ 9,324,000
		Total Proj	ect Cost	\$9,324,000
		Total S	State Aid	\$5,128,200
		Total Bond	Amount	\$5,221,440

Mt C	aesar Elementary Student Capacity		550		- New So	uth, M	t Caesar N	North and	Gilsum		Life-Cy	ycle Cost	Analysis
	TI.	D-4	Yea		2	-		-	_		0	0	10
	Task Division 0	Rates		1	2	3	4	5	6	7	8	9	10
	Division 1			-	-	-	-	-	-	-	-	-	-
	Division 2			-	-	-	-	-	-	-	-	-	-
	Division 3			-	-	-	-	-	-	-	-	-	-
				-	-	-	-	-	-	-	-	-	-
	Division 4			-	-	-	-	-	-	-	-	-	-
	Division 5 Division 6			-	-	-	-	-	-	-	-	-	-
ED				-	-	-	-	-	-	-	-	-	-
BUILDING NEEDS	Division 7			-	-	-	-	-	-	-	-	-	-
٥	Division 8			-	-	-	-	-	-	-	-	-	-
₫	Division 9			-	-	-	-	-	-	-	-	-	-
Ē	Division 10			-	-	-	-	-	-	-	-	-	-
	Division 11			-	-	-	-	-	-	-	-	-	-
	Division 12			-	-	-	-	-	-	-	-	-	-
	Division 13			-	-	-	-	-	-	-	-	-	-
	Division 14			-	-	-	-	-	-	-	-	-	-
	Division 15			-	-	-	-	-	-	-	-	-	-
	Division 16 SUBTOTAL			-	-	-	-	-	-	-	-	-	-
	Water	\$ 0	.20	15,197	15,638	16,092	16,558	17,038	17,533	18,041	18,564	19,103	19,657
	Electricity		-	13,137	-	10,032	10,558	17,030	17,555	10,041	18,304	-	15,057
	Grid		- .75	56,990	58,643	60,343	62,093	63,894	65,747	67,654	69,616	71,635	73,712
	On-Site	, U	./3	30,330	38,043	00,343	-	03,834	03,747	07,034	05,010	71,033	73,712
UTILITIES	Heating Fuel	\$.	_	_	_	_		_			_	_	
	Oil		-			-	-		-		-	-	_
5	Propane		- .39	29,635	30,494	31,379	32,289	33,225	34,188	35,180	36,200	37,250	38,330
5	Wood		.35	25,033	30,434	31,375	32,289	33,223	34,100	33,180	30,200	37,230	38,330
	Electricity		-		-	-	-				-	-	-
	Other	\$.	-	-	-	-	-		-	-	-	-	-
	Cooking Fuel			-	-	-	-	-	-	-	-	-	
	SUBTOTAL	٠ ,	_	101,822	104,775	107,814	110,940	114,158	117,468	120,875	124,380	127,987	131,699
	Cleaning	\$ 1	.50	113,980	117,286	120,687	124,187	127,788	131,494	135,308	139,231	143,269	147,424
S	Repairs		.15	11,398	11,729	12,069	12,419	12,779	13,149	13,531	13,923	14,327	14,742
A S	Productivity Loss		80%	22,796	23,457	24,137	24,837	25,558	26,299	27,062	27,846	28,654	29,485
HUMAN	Bussing/Student		500	905,520	931,780	958,802	986,607	1,015,219	1,044,660	1,074,955	1,106,129	1,138,206	1,171,214
HUMAN	bussing/student	7 1,0	500	505,520	331,760	330,002	380,007	1,013,213	1,044,000	1,074,333	1,100,123	1,130,200	1,1/1,214
· · ·	SUBTOTAL			1,053,694	1,084,251	1,115,695	1,148,050	1,181,343	1,215,602	1,250,855	1,287,130	1,324,456	1,362,866
	Principal	5.0	00%	261,072	261,072	261,072	261,072	261,072	261,072	261,072	261,072	261,072	261,072
Š	Interest		67%	82,838	78,478	74,118	69,758	65,399	61,039	56,679	52,319	47,959	43,599
₹				-	-		-	-	-	-	-	-	-
正													
∞ ≻	Tax Income	2.4	40%	24,696	25,412	26,149	26,907	27,688	28,491	29,317	30,167	31,042	31,942
E8	Building Aid Reimbursemer			1,025,640	-,	-,	-,	,	-, -	-,-	,	- ,-	- ,-
PRO PERTY & FINANCE				-	-	_	_	_	_	_	-	_	-
8	SUBTOTAL			(706,426)	314,138	309,041	303,923	298,783	293,620	288,434	283,224	277,989	272,729
		TO	TAL	449,091	1,503,165	1,532,550	1,562,913	1,594,284	1,626,690	1,660,163	1,694,733	1,730,432	1,767,293
											C	GRAND TOTAL	\$ 15,121,315
			Во	nd Amt:	\$ 5,221,440		Building Size:	73,845		Total Project C	ost:	\$ 9,324,000	
				nd Term:	20		Inflation:	2.90%	*	State Aid Rate:			Nominal
			Во	nd Rate:	1.67% *	*	Value Exist:	\$ 1,000,000		State Building	Aid:	\$ 5,128,200	

 $[\]ensuremath{^{*}}$ Inflation based on current RS Means Historic Cost Index

 $[\]ensuremath{^{**}}$ Band Rate is last reported sale by the NH Municipal Bond Bank.

New Elementary School

Project Cost Worksheet

Student Capacity 400

1.	Site Development Costs				\$700,000
	Land Acquisition			??	
	Playfields	1	Field	\$300,000	
	Paving	100	Spaces	\$200,000	
	Site Prep & Utilities			\$200,000	
-					
2.	General Construction - New				\$12,299,000
	New Constuction	61,433 s.f.	\$ 182 per s.		
	Renovation			\$0	
	Construction Contingency	5.00%		\$559,000	
	Construction Manager Fee	5.00%		\$559,000	
3.	Design Fees				\$600,000
	Civil Engineering	6.00%		\$40,000	7 200,000
	A&E New Construction	5.00%		\$560,000	
	A&E Renovation	7.00%		\$0	
				**	
4.	Furniture, Equipment and Serv	vices			\$1,160,000
	Loose Equipment	5.00%		\$610,000	
	Phone Service	1.00%		\$120,000	
	Computers	2.00%		\$250,000	
	Utility Charges	1.50%		\$180,000	
5.	Administrative Costs				\$200,000
•	Testing	0.25%		\$30,000	Ψ200,000
	Survey, Borings	0.25%		\$30,000	
	Clerk of the Works	0.75%		\$100,000	
	Bonding/Legal	0.30%		\$40,000	
	Bonanig/Logar	0.0070		ψ-10,000	
6.	Design Contingency	5%			\$700,000
0.	Design Contingency	570			\$700,000

Total Project Cost

\$15,659,000

(Note: all numbers rounded to nearest \$10,000)

Table G

New Elementary School Student Capacity	400	Core Capacity	Bono 510	l Cost Worksheet
Square Foot Allowance				
State Allowable Formula Previous < 50 y.o.	120 :	square feet / student =	61,200	based on core capacity
Emerson Gym/CR Add.	1990		19,706	
Pre-School			2,000	
		Total to Deduct	21,706	
Allowable Size			39,494	
Construction Cost Allowance				
State Allowable Formula \$ Site and Soft Cost	182	per square foot =	\$7,187,908 \$3,360,000	
Allowable Cost			10,547,908	
Reimbursement				
Renovation Thresholds	2	Replacement Value 25% Renovation Min. 60% Renovation Max.		
State Aid	55% 80% 20%	Allowed Project Cost State Aid Rate At Start At Completion	= \$5,801,349 \$4,641,080 \$1,160,270	\$ 10,547,908
		Total Proje	ect Cost	\$15,659,000

Total State Aid \$5,801,349

Barker Architects, PLLC 11/30/2020

Total Bond Amount \$11,017,920

New	South Elementary	/	10	5 - New So	outh, M	t Caesar N	orth and	Gilsum		Life-Cy	cle Cost	Analysis
			Year									
		Rates	1	. 2	3	4	5	6	7	8	9	10
	Division 0		-	-	-	-	-	-	-	-	-	-
	Division 1											
	Division 2		-	-	-	-	-	-	-	-	-	-
	Division 3		-	-	-	-	-	-	-	-	-	-
	Division 4		-	-	-	-	-	-	-	-	-	-
	Division 5		-	-	-	-	-	-	-	-	-	-
SC	Division 6		-	-	-	-	-	-	-	-	-	-
BUILDING NEEDS	Division 7		-	-	-	-	-	-	-	-	-	-
Z U	Division 8		-	-	-	-	-	-	-	-	-	-
Ž	Division 9		-	-	-	-	-	-	-	-	-	-
₽	Division 10		-	-	-	-	-	-	-	-	-	-
BO	Division 11		-	-	_	-	-	_	_	-	-	-
	Division 12		-	_	-	-	_	_	_	_	_	_
	Division 13		_	_	_	_	_	_	_	_	_	_
	Division 14		_	_	_	_	_	_	_	_	_	_
	Division 15						_	_		_	_	_
	Division 16		_	_	_	_	_	_	_	_	_	_
	SUBTOTAL						_	_		_	_	
		\$ 0.2	12,643	13,010	13,387	13,775	14,175	14,586	15,009	15,444	15,892	16,353
		\$ 0.21 \$ -	12,043	13,010	13,367	-	14,173	14,360	13,003	13,444	13,632	10,555
		ء - \$ 0.60	. 27.020		40,161	41,325		42 757		46 222	47,675	
		\$ 0.6	37,929	39,029	40,161		42,524	43,757	45,026	46,332	47,675	49,058
	On-Site	-	-	-	-	-	-	-	-	-	-	-
UTILITIES	_	\$ -	-	-	-	-	-	-	-	-	-	-
		\$ -	-	-	-	-	-	-	-	-	-	-
Ę	•	\$ 0.3	18,964	19,514	20,080	20,663	21,262	21,879	22,513	23,166	23,838	24,529
_		\$ -	-	-	-	-	-	-	-	-	-	-
	Electricity	\$ -	-	-	-	-	-	-	-	-	-	-
	Other	\$ -	-	-	-	-	-	-	-	-	-	-
	Cooking Fuel	\$ 0.0	2 1,264	1,301	1,339	1,378	1,417	1,459	1,501	1,544	1,589	1,635
	SUBTOTAL		70,801	72,854	74,967	77,141	79,378	81,680	84,049	86,486	88,994	91,575
	Cleaning	\$ 1.0	63,215	65,048	66,935	68,876	70,873	72,928	75,043	77,220	79,459	81,763
_ X	Repairs	\$ 0.1	6,321	6,505	6,693	6,888	7,087	7,293	7,504	7,722	7,946	8,176
1 A	Productivity Loss	0.70	% 16,594	17,075	17,570	18,080	18,604	19,144	19,699	20,270	20,858	21,463
HUMAN		\$ 1,80		762,366	784,474	807,224	830,633	854,722	879,509	905,014	931,260	958,266
HUMAN	, and the second		, , , , , , , , , , , , , , , , , , ,	· -	· -	· -	· -	· -	, , , , , , , , , , , , , , , , , , ,	-	-	· -
_	SUBTOTAL		827,010	850,994	875,673	901,067	927,198	954,087	981,755	1,010,226	1,039,523	1,069,669
	Principal	5.00		550,896	550,896	550,896	550,896	550,896	550,896	550,896	550,896	550,896
Ş	Interest	1.67		165,599	156,399	147,199	137,999	128,799	119,600	110,400	101,200	92,000
PROPERTY & FINANCE				-		,====			,	,	,	-
=			_	_	_		_	_		_	_	_
∞ >	Tax Income	2.40	% 86,436	88,943	91,522	94,176	96,907	99,718	102,609	105,585	108,647	111,798
F.	Building Aid Reimbursement		1,160,270	00,343	31,322	54,170	30,307	33,718	102,009	103,363	100,047	111,750
) PE	Building Ald Kelifibul Selfieli	L	1,100,270			_		_				
PRO	SUBTOTAL		(524.044)	- 627.552			-		-	-	- - - -	F24 000
	SORIOIAL		(521,011)	627,553	615,773	603,919	591,988	579,978	567,886	555,711	543,449	531,098
		TOT:	276 604	1 551 400	1 500 413	1 502 127	1 500 561	1 615 745	4 622 622	1 652 422	1 671 065	1 602 242
		TOTA	AL 376,801	1,551,400	1,566,413	1,582,127	1,598,564	1,615,745	1,633,690	1,652,423	1,671,965	1,692,342
										C	GRAND TOTAL	\$ 14,941,469
			Bond Amt:	\$ 11,017,920		Building Size:	61,433		Total Project C	ost.	\$ 15,659,000	
			Bond Term:	3 11,017,920		Inflation:	2.90%	*	State Aid Rate			Nominal
			Bond Rate:	1.67%	**	Value Exist:	3500000		State Building		\$5,801,349	140//////
			bollu nate.	1.07%		value Exist.	3300000		state building	Alu.	,3,601,349	

^{*} Inflation based on current RS Means Historic Cost Index

 $[\]ensuremath{^{**}}$ Band Rate is last reported sale by the NH Municipal Bond Bank.

OPTION 6

CONSOLIDATE ALL ELEMENTARY SCHOOLS ONTO A NEW SCHOOL AT MT CAESAR SITE

1.	Site Development Costs				\$1,400,000
	Land Acquisition				
	Playfields	2	Field	\$600,000	
	Paving	200	Spaces	\$400,000	
	Site Prep & Utilities			\$400,000	
2.	General Construction - New				\$24,960,000
	New Constuction	124,668 s.f.	\$ 182 per s.f.	\$22,690,000	
	Renovation		·		
	Construction Contingency	5.00%		\$1,135,000	
	Construction Manager Fee	5.00%		\$1,135,000	
	•				
3.	Design Fees				\$1,210,000
0.	Civil Engineering	6.00%		\$80,000	Ψ1,210,000
	A&E New Construction	5.00%		\$1,130,000	
	A&E Renovation	7.00%		\$0	
	/ CE Tronovation	7.0070		ΨΟ	
4.	Furniture, Equipment and Ser	vices			\$2,370,000
•	Loose Equipment	5.00%		\$1,250,000	ψ=,σ:σ,σσσ
	Phone Service	1.00%		\$250,000	
	Computers	2.00%		\$500,000	
	Utility Charges	1.50%		\$370,000	
	,g			7 ,	
5.	Administrative Costs				¢420,000
5.	Testing	0.25%		\$70,000	\$420,000
	Survey, Borings	0.25% 0.25%		\$70,000 \$70,000	
	Clerk of the Works				
		0.75%		\$200,000	
	Bonding/Legal	0.30%		\$80,000	
0	D: O	F0/			#4.500.000
6.	Design Contingency	5%			\$1,500,000

Total Project Cost

\$31,860,000

(Note: all numbers rounded to nearest \$10,000)

Table G

Barker Architects, Inc.

9/22/2020

New Elementary School			Bono	l Cost Worksheet
Student Capacity	1000	Core Capacity	1100	
Square Foot Allowance				
State Allowable Formula Previous < 35 y.o.	120	square feet / student =	132,000	based on core capacity
Cutler Gym Addition	1990		11,382	
Mt Ceasar Additions Emerson Gym/CR Add. Gilsum Additions	2000 1990		4,733 19,706 14,637	
Pre-School		Total to Deduct	4000 54,458	
Allowable Size		Total to Deduct	77,542	
Construction Cost Allowance				
State Allowable Formula Site and Soft Cost	\$ 182	per square foot =	\$14,112,644 \$6,900,000	
Allowable Cost			21,012,644	
Reimbursement				
Renovation Thresholds		Replacement Value 25% Renovation Min. 60% Renovation Max.		
State Aid	55% 80% 20%	Allowed Project Cost State Aid Rate At Start At Completion	= \$11,556,954 \$9,245,563 \$2,311,391	\$ 21,012,644
		Total Proj	ect Cost	\$31,860,000

Total Bond Amount \$22,614,437

Total State Aid \$11,556,954

Table H

New	New South Elementary Option 6 - New Consolidated Elemenatary Life-Cycle Cost Analysis												
				Year									
	Task	Ra	tes	1	2	3	4	5	6	7	8	9	10
	Division 0 Division 1			-	-	-	-	-	-	-	-	-	-
	Division 2			_	_	_	_	_	_	_	_	_	_
	Division 3			_	_	_	_	-	-	_	_	_	_
	Division 4			-	-	-	-	-	-	-	-	-	-
	Division 5			-	-	-	-	-	-	-	-	-	-
S	Division 6			-	-	-	-	-	-	-	-	-	-
田田	Division 7			-	-	-	-	-	-	-	-	-	-
BUILDING NEEDS	Division 8			-	-	-	-	-	-	-	-	-	-
N N	Division 9			-	-	-	-	-	-	-	-	-	-
Ħ	Division 10			-	-	-	-	-	-	-	-	-	-
Φ.	Division 11			-	-	-	-	-	-	-	-	-	-
	Division 12			-	-	-	-	-	-	-	-	-	-
	Division 13 Division 14			-	-	-	-	-	-	-	-	-	-
	Division 15			-	-	-	-	-	_	-	-	-	-
	Division 16			_	_	_						_	
	SUBTO	TAL		-	-								
	Water	\$	0.20	24,089	24,788	25,507	26,246	27,008	27,791	28,597	29,426	30,279	31,158
	Electricity	\$	-	-	-	-	-	-	-	-	-	-	-
	Grid	\$	0.60	72,268	74,364	76,520	78,739	81,023	83,373	85,790	88,278	90,838	93,473
	On-Site	-		-	-	-	-	-	-	-	-	-	-
S	Heating Fuel	\$	-	-	-	-	-	-	-	-	-	-	-
Ë	Oil	\$	-	-	-	-	-	-	-	-	-	-	-
UTILITIES	Propane	\$	0.30	36,134	37,182	38,260	39,370	40,511	41,686	42,895	44,139	45,419	46,736
	Wood	\$	-	-	-	-	-	-	-	-	-	-	-
	Electricity	\$	-	-	-	-	-	-	-	-	-	-	-
	Other	\$	-	-	-	-	-	-	-	-	-	-	-
	Cooking Fuel	\$	0.02	2,409	2,479	2,551	2,625	2,701	2,779	2,860	2,943	3,028	3,116
	SUBTO		1.00	134,900	138,812	142,838	146,980	151,243	155,629	160,142	164,786	169,565	174,482
S	Cleaning Repairs	\$ \$	1.00 0.10	120,447 12,045	123,940 12,394	127,534 12,753	131,232 13,123	135,038 13,504	138,954 13,895	142,984 14,298	147,130 14,713	151,397 15,140	155,788 15,579
A S	Productivity Loss	Ş	0.10	31,617	32,534	33,478	34,448	35,447	36,475	37,533	38,622	39,742	40,894
HUMAN	Bussing	\$	2,000	2,058,000	2,117,682	2,179,095	2,242,289	2,307,315	2,374,227	2,443,080	2,513,929	2,586,833	2,661,851
HUMAN	Dussing	Y	2,000	2,038,000	2,117,002	2,173,033	-	2,307,313	2,374,227	2,443,080	2,313,323	2,360,633	2,001,831
	SUBTO	TAL		2,222,109	2,286,550	2,352,860	2,421,093	2,491,304	2,563,552	2,637,895	2,714,394	2,793,111	2,874,112
ш	Principal		5.00%	1,130,722	1,130,722	1,130,722	1,130,722	1,130,722	1,130,722	1,130,722	1,130,722	1,130,722	1,130,722
S	Interest		1.67%	358,778	339,895	321,012	302,129	283,246	264,363	245,480	226,597	207,714	188,831
₹				-	-	-	-	-	-	-	-	-	-
8				-	-	-	-	-	-	-	-	-	-
≥	Tax Income		2.40%	123,480	127,061	130,746	134,537	138,439	142,454	146,585	150,836	155,210	159,711
E E	Building Aid Reimburs	ement		2,311,391									
PROPERTY & FINANCE				-	-	-	-	-	-	-	-	-	-
п.	SUBTO	TAL		(945,371)	1,343,556	1,320,988	1,298,313	1,275,529	1,252,631	1,229,617	1,206,483	1,183,225	1,159,841
			TOTAL	4 444 630	2 760 040	2 045 505	2 055 205	2 040 076	2 074 042	4 007 654	4 005 660	4 4 4 5 000	4 200 425
			TOTAL	1,411,638	3,768,918	3,816,686	3,866,386	3,918,076	3,971,812	4,027,654	4,085,663	4,145,902	4,208,435
												GRAND TOTAL	¢ 27 221 160
												GRAND TOTAL	3 37,221,108
				Bond Amt:	\$ 22,614,437		Building Size:	117,052		Total Project C	ost.	\$ 31,860,000	
				Bond Term:	20		Inflation:	2.90%	*	State Aid Rate			Nominal
				Bond Rate:	1.67%	**	Value Exist:	\$ 5,000,000		State Building		\$11,556,954	
								,,				. ,,-	

^{*} Inflation based on current RS Means Historic Cost Index

 $[\]ensuremath{^{**}}$ Band Rate is last reported sale by the NH Municipal Bond Bank.

OPTION 7

NEW SOUTH ELEMENTARY ADDITIONS / RENOVATIONS TO CAESAR SITE AS NEW NORTH ELEMENTARY

Mt Ceasar Elementary

Project Cost Worksheet

Student Capacity 525

1.	Site Development Costs				\$400,000
	Land Acquisition				
	Playfields	1	Field		
	Paving	100	Spaces	\$100,000	
	Site Prep & Utilities			\$300,000	
2.	General Construction - New				\$6,228,000
	New Constuction	29,785 s.f.	\$ 182 per s.f.	\$5,421,000	
	Renovation			\$265,000	
	Construction Contingency	5.00%		\$271,000	
	Construction Manager Fee	5.00%		\$271,000	
3.	Design Fees				\$310,000
	Civil Engineering	6.00%		\$20,000	, ,
	A&E New Construction	5.00%		\$270,000	
	A&E Renovation	7.00%		\$20,000	
				, ,,,,,,	
4.	Furniture, Equipment and Ser	vices			\$580,000
	Loose Equipment	5.00%		\$310,000	
	Phone Service	1.00%		\$60,000	
	Computers	2.00%		\$120,000	
	Utility Charges	1.50%		\$90,000	
5.	Administrative Costs				\$110,000
0.	Testing	0.25%		\$20,000	4.13,300
	Survey, Borings	0.25%		\$20,000	
	Clerk of the Works	0.75%		\$50,000	
	Bonding/Legal	0.30%		\$20,000	
	25.1dilig/20gal	0.0070		Ψ20,000	
6.	Design Contingency	5%			\$400,000
0.	Design Contingency	370			Ψ τ υυ,υυυ

Total Project Cost

\$8,028,000

(Note: all numbers rounded to nearest \$10,000)

Table G

Mt Ceasar Elementary			Bono	Cost Worksheet
Student Capacity	525	Core Capacity	590	
Square Foot Allowance				
State Allowable Formula Previous < 35 y.o.	120	square feet / student =	70,800	based on core capacity
Original Schools 1st Additions Early Cutler Additions	1900, 1950 1950's			Older than 35 years Older than 35 years Older than 35 years
Mt Ceasar Additions Mt Ceasar Additions Cutler Gym Pre-School	1987 2000 1990's		4,733 11,382	Older than 35 years
Allowable Size		Total to Deduct	16,115 54,685	
Construction Cost Allowance				
State Allowable Formula Site and Soft Cost	\$ 182	per square foot =	\$9,952,670 \$1,800,000	
Allowable Cost			\$ 11,752,670	
Reimbursement				
Renovation Thresholds		Replacement Value 25% Renovation Min. 60% Renovation Max.	\$ 7,004,816 \$ 1,751,204 \$ 4,202,890	
State Aid	55% 80% 20%	Allowed Project Cost State Aid Rate At Start At Completion	= \$4,415,400 \$3,532,320 \$883,080	\$ 8,028,000
		Total Proj	ect Cost	\$8,028,000
		Total S	State Aid	\$4,415,400

\$4,495,680

Barker Architects, PLLC 11/30/2020

Total Bond Amount

Mt C	aesar Elementary Student Capacity	/	525	•	' - New So	outh / N	1t Caesar	North - R	edistrict		Life-Cy	ycle Cost	Analysis
	Task	Rates		Year 1	2	3	4	5	6	7	8	9	10
	Division 0	Kates	•				. 4	-	-	·		-	-
	Division 1			_	_		_	_			_	_	_
	Division 2			_	_		_	_	_		_	_	_
	Division 3			_	_	_	_	_	_	_	_	_	_
	Division 4			_	_	_	_	_	_	_	_	_	_
	Division 5			_	_	_	_	_	_	_	_	_	_
Ś	Division 6			-	_	_	_	-	_	-	-	_	_
믮	Division 7			-	_	_	_	-	_	-	-	_	_
BUILDING NEEDS	Division 8			-	_	_	_	-	_	-	_	_	-
Ž	Division 9			-	-	-	-	-	-	-	-	-	-
₽	Division 10			-	-	-	-	-	-	-	-	-	-
B	Division 11			-	-	-	-	-	-	-	-	-	-
	Division 12			-	-	-	-	-	-	-	-	-	-
	Division 13			-	-	-	-	-	-	-	-	-	-
	Division 14			-	-	-	-	-	-	-	-	-	-
	Division 15			-	-	-	-	-	-	-	-	-	-
	Division 16			-	-	-	-	-	-	-	-	-	-
	SUBTOTAL			-	-	-	-	-	-	-	-	-	-
	Water	\$	0.20	14,051	14,458	14,877	15,309	15,753	16,210	16,680	17,163	17,661	18,173
	Electricity	\$	-	-	-	-	-	-	-	-	-	-	-
	Grid	\$	0.75	52,690	54,218	55,790	57,408	59,073	60,786	62,549	64,363	66,229	68,150
	On-Site	-		-	-	-	-	-	-	-	-	-	-
S	Heating Fuel	\$	-	-	-	-	-	-	-	-	-	-	-
UTILITIES	Oil	\$	-	-	-	-	-	-	-	-	-	-	-
	Propane		0.39	27,399	28,193	29,011	29,852	30,718	31,609	32,525	33,469	34,439	35,438
ے	Wood	\$	-	-	-	-	-	-	-	-	-	-	-
	Electricity	\$	-	-	-	-	-	-	-	-	-	-	-
	Other	\$	-	-	-	-	-	-	-	-	-	-	-
	Cooking Fuel	\$	-	-	-	-	-	-	-	-	-	-	-
	SUBTOTAL			94,139	96,869	99,679	102,569	105,544	108,605	111,754	114,995	118,330	121,761
	Cleaning		1.50	105,380	108,436	111,581	114,816	118,146	121,572	125,098	128,726	132,459	136,300
z S	Repairs		0.15	10,538	10,844	11,158	11,482	11,815	12,157	12,510	12,873	13,246	13,630
A N	Productivity Loss		0.80%	21,076	21,687	22,316	22,963	23,629	24,314	25,020	25,745	26,492	27,260
HUMAN	Bussing/Student	\$ 1	1,700	918,383	945,016	972,421	1,000,621	1,029,639	1,059,499	1,090,224	1,121,841	1,154,374	1,187,851
~				-	-	-	-	-	-	-	-	-	
	SUBTOTAL			1,055,376	1,085,982	1,117,476	1,149,883	1,183,229	1,217,543	1,252,852	1,289,184	1,326,571	1,365,041
핑	Principal		5.00%	224,784	224,784	224,784	224,784	224,784	224,784	224,784	224,784	224,784	224,784
Y Y	Interest	1	1.67%	71,324	67,570	63,816	60,062	56,308	52,554	48,801	45,047	41,293	37,539
듄				-	-	-	-	-	-	-	-	-	-
PROPERTY & FINANCE	Tay Ingomo		2 400/	27.044	20 110	20.224	40.261	41 522	42.726	42.075	45.251	46 563	47.012
Ë	Tax Income		2.40%	37,044 883,080	38,118	39,224	40,361	41,532	42,736	43,975	45,251	46,563	47,913
D.B.	Building Aid Reimbursemer	IIL		883,080			_	_	_				
PRC	SUBTOTAL			(624,016)	254,236	249,376	244,485	239,561	234,602	229,609	224,580	219,514	214,410
	JUBIUTAL			(024,010)	234,230	245,570	244,463	239,301	234,002	223,003	224,360	215,314	214,410
		т	TOTAL	525,500	1,437,087	1,466,531	1,496,937	1,528,334	1,560,750	1,594,215	1,628,759	1,664,414	1,701,212
			OIAL	323,300	1,437,007	1,400,331	1,450,557	1,520,554	1,500,750	1,334,213	1,020,733	1,004,414	1,701,212
											Ó	GRAND TOTAL	\$ 14,603,739
				Bond Amt:	\$ 4,495,680		Building Size:	68,273		Total Project C	ost:	\$ 8,028,000	
				Bond Term:	20		Inflation:	2.90%	*	State Aid Rate			Nominal
				Bond Rate:	1.67% *	*	Value Exist:	\$ 1,500,000		State Building		\$ 4,415,400	
										ŭ			

^{*} Inflation based on current RS Means Historic Cost Index

Table I

 $[\]ensuremath{^{**}}$ Band Rate is last reported sale by the NH Municipal Bond Bank.

New Elementary School

Project Cost Worksheet

Student Capacity 525

1.	Site Development Costs				\$700,000
	Land Acquisition			??	
	Playfields	1	Field	\$300,000	
	Paving	100	Spaces	\$200,000	
	Site Prep & Utilities			\$200,000	
2.	General Construction - New				\$13,780,000
	New Constuction	68,833 s.f.	\$ 182 per s.	f. \$12,528,000	
	Renovation				
	Construction Contingency	5.00%		\$626,000	
	Construction Manager Fee	5.00%		\$626,000	
_					
3.	Design Fees	/			\$670,000
	Civil Engineering	6.00%		\$40,000	
	A&E New Construction	5.00%		\$630,000	
	A&E Renovation	7.00%		\$0	
4	F				#4 000 000
4.	Furniture, Equipment and Serv			# 000 000	\$1,320,000
	Loose Equipment	5.00%		\$690,000	
	Phone Service	1.00%		\$140,000	
	Computers	2.00%		\$280,000	
	Utility Charges	1.50%		\$210,000	
5.	Administrative Costs				\$230,000
	Testing	0.25%		\$40,000	· +=00,000
	Survey, Borings	0.25%		\$40,000	
	Clerk of the Works	0.75%		\$110,000	
	Bonding/Legal	0.75%		\$40,000	
	Donaing/Legal	0.3070		φ 4 0,000	
6.	Design Contingency	5%			\$800,000

Total Project Cost

\$17,500,000

(Note: all numbers rounded to nearest \$10,000)

Table G

Barker Architects, Inc.

9/22/2020

New Elementary School Bond Cost Worksheet

Student Capacity 525 Core Capacity 590

Square Foot Allowance

State Allowable Formula 120 square feet / student : 70,800 based on core capacity

Previous < 50 y.o.

Emerson Gym/CR Additic 1990 19,706

Total to Deduct 19,706

Allowable Size 51,094

Construction Cost Allowance

State Allowable Formula \$ 182 per square foot = \$9,299,108

Site and Soft Cost \$6,900,000

Allowable Cost 16,199,108

Reimbursement

Renovation Thresholds Replacement Value

25% Renovation Min.60% Renovation Max.

State Aid Allowed Project Cost = \$ 16,199,108

54% \$8,747,518 80% At Start \$6,998,015 20% At Completion \$1,749,504

Total Project Cost \$17,500,000

Total State Aid \$8,747,518

Total Bond Amount \$10,501,985

Table H

Barker Architects, PLLC 9/22/2020

New	South Elementar Student Capacity		525		' - New So	outh / N	It Caesar	North - R	edistrict		Life-Cy	cle Cost	Analysis
			Ye	ear	_	_		_		_	_	_	
		Rates		1	2	3	4	5	6	7	8	9	10
	Division 0			-	-	-	-	-	-	-	-	-	-
	Division 1												
	Division 2			-	-	-	-	-	-	-	-	-	-
	Division 3			-	-	-	-	-	-	-	-	-	-
	Division 4			-	-	-	-	-	-	-	-	-	-
	Division 5			-	-	-	-	-	-	-	-	-	-
DS	Division 6			-	-	-	-	-	-	-	-	-	-
BUILDING NEEDS	Division 7			-	-	-	-	-	-	-	-	-	-
2	Division 8			-	-	-	-	-	-	-	-	-	-
Ž	Division 9			-	-	-	-	-	-	-	-	-	-
블	Division 10			-	-	-	-	-	-	-	-	-	-
B	Division 11			-	-	-	-	-	-	-	-	-	-
	Division 12			-	-	-	-	-	-	-	-	-	-
	Division 13			-	-	-	_	-	-	-	_	-	-
	Division 14			_	_	_	_	-	_	_	_	_	-
	Division 15				-	_	-	-	_	_	-	-	-
	Division 16			_		_			_			_	_
	SUBTOTAL				-	-							
	Water	\$ 0	.20	14,166	14,577	14,999	15,434	15,882	16,343	16,817	17,304	17,806	18,322
	Electricity		-	14,100	14,577	14,555	15,454	15,002	10,545	10,017	17,304	-	10,322
	Grid		.60	42,498	43,730	44,998	46,303	47,646	49,028	50,450	51,913	53,418	54,967
	On-Site	3 0	.00	42,430	43,730	44,556	40,303	47,040	45,028	30,430	31,913	33,410	34,507
		-		-	-	-	-	-	-	-	-	-	-
ES	Heating Fuel	Y	-	-	-	-	-	-	-	-	-	-	-
5	Oil	Y	-	-	-	-	-	-	-	-	-	-	-
UTILLTIES	Propane		.30	21,249	21,865	22,499	23,152	23,823	24,514	25,225	25,956	26,709	27,484
_	Wood	7	-	-	-	-	-	-	-	-	-	-	-
	Electricity	\$	-	-	-	-	-	-	-	-	-	-	-
	Other	\$	-	-	-	-	-	-	-	-	-	-	-
	Cooking Fuel	\$ 0	.02	1,417	1,458	1,500	1,543	1,588	1,634	1,682	1,730	1,781	1,832
	SUBTOTAL			79,329	81,630	83,997	86,433	88,939	91,519	94,173	96,904	99,714	102,605
	Cleaning	\$ 1	.00	70,830	72,884	74,997	77,172	79,410	81,713	84,083	86,521	89,030	91,612
_ Si	Repairs	\$ 0	.10	7,083	7,288	7,500	7,717	7,941	8,171	8,408	8,652	8,903	9,161
₹ S	Productivity Loss	0.7	70%	18,593	19,132	19,687	20,258	20,845	21,450	22,072	22,712	23,370	24,048
HUMAN	Bussing	\$ 1,8	300	972,405	1,000,605	1,029,622	1,059,481	1,090,206	1,121,822	1,154,355	1,187,831	1,222,279	1,257,725
HUMAN	ŭ			· -	-	-		-	-	-	· · ·		-
	SUBTOTAL			1,068,910	1,099,909	1,131,806	1,164,628	1,198,403	1,233,156	1,268,918	1,305,716	1,343,582	1,382,546
ш	Principal	5.0	00%	596,588	596,588	596,588	596,588	596,588	596,588	596,588	596,588	596,588	596,588
S	Interest		67%	189,297	179,334	169,371	159,408	149,445	139,482	129,519	119,556	109,593	99,630
₹					-	,					-	-	-
正				_		_			_			_	_
∞ ≻	Tax Income	2.4	40%	86,436	88,943	91,522	94,176	96,907	99,718	102,609	105,585	108,647	111,798
I.R.	Building Aid Reimbursemer		4070	1,392,062	00,545	31,322	34,170	30,307	33,710	102,003	105,505	100,047	111,750
PROPERTY & FINANCE	Dunumg Aid Neilliburselliel			1,332,002			_		_				
P. P.	SUBTOTAL			(602 612)	696 070	674 427		640 136		622 407	610 550	F07 F24	E94 420
	SUBTUTAL			(692,613)	686,979	674,437	661,820	649,126	636,352	623,497	610,559	597,534	584,420
		TO	TAL	4EE 626	1 060 517	1 900 240	1 012 001	1 026 467	1 061 027	1 006 500	2.012.170	2,040,830	2 060 572
		10	IAL	455,626	1,868,517	1,890,240	1,912,881	1,936,467	1,961,027	1,986,588	2,013,179	2,040,830	2,069,572
											_	DAND TOTAL	A 40 404 077
											G	RAND TOTAL	\$ 18,134,926
			_				D 11 11 C1	50.055		T . IS			
				ond Amt:	\$ 11,931,752		Building Size:	68,833	_	Total Project C		\$ 17,500,000	
				ond Term:	20		Inflation:	2.90%	-	State Aid Rate			Nominal
			В	ond Rate:	1.67% *	-	Value Exist:	\$ 3,500,000		State Building	AId:	\$6,960,309	

 $[\]ensuremath{^{*}}$ Inflation based on current RS Means Historic Cost Index

 $[\]ensuremath{^{**}}$ Band Rate is last reported sale by the NH Municipal Bond Bank.

OPTION 8

ADDITIONS / RENOVATIONS TO TROY AS NEW SOUTH ELEMENTARY ADDITIONS / RENOVATIONS TO MT CAESAR AS NEW NORTH ELEMENTARY

Mt Ceasar Elementary

Project Cost Worksheet

Student Capacity 525

1.	Site Development Costs				\$400,000
	Land Acquisition				
	Playfields	1	Field		
	Paving	100	Spaces	\$100,000	
	Site Prep & Utilities			\$300,000	
2.	General Construction - New				\$6,228,000
	New Constuction	29,785 s.f.	\$ 182 per s.f.	\$5,421,000	
	Renovation			\$265,000	
	Construction Contingency	5.00%		\$271,000	
	Construction Manager Fee	5.00%		\$271,000	
3.	Design Fees				\$310,000
	Civil Engineering	6.00%		\$20,000	+ - 1 - 1 - 1 - 1
	A&E New Construction	5.00%		\$270,000	
	A&E Renovation	7.00%		\$20,000	
				, ,,,,,,	
4.	Furniture, Equipment and Ser	vices			\$580,000
	Loose Equipment	5.00%		\$310,000	
	Phone Service	1.00%		\$60,000	
	Computers	2.00%		\$120,000	
	Utility Charges	1.50%		\$90,000	
5.	Administrative Costs				\$110,000
	Testing	0.25%		\$20,000	, , ,
	Survey, Borings	0.25%		\$20,000	
	Clerk of the Works	0.75%		\$50,000	
	Bonding/Legal	0.30%		\$20,000	
	·g· = - g -··				
6.	Design Contingency	5%			\$400,000
٥.	200.9.1 00111901103	0,0			Ψ.00,000

Total Project Cost

\$8,028,000

(Note: all numbers rounded to nearest \$10,000)

Table G

Barker Architects, Inc. 9/22/2020

Mt Ceasar Elementary			Bono	Cost Worksheet
Student Capacity	525	Core Capacity	590	
Square Foot Allowance				
State Allowable Formula Previous < 35 y.o.	120	square feet / student =	70,800	based on core capacity
Original Schools 1st Additions Early Cutler Additions	1900, 1950 1950's			Older than 35 years Older than 35 years Older than 35 years
Mt Ceasar Additions Mt Ceasar Additions Cutler Gym Pre-School	1987 2000 1990's		4,733 11,382	Older than 35 years
Allowable Size		Total to Deduct	16,115 54,685	
Construction Cost Allowance				
State Allowable Formula Site and Soft Cost	\$ 182	per square foot =	\$9,952,670 \$1,800,000	
Allowable Cost			\$ 11,752,670	
Reimbursement				
Renovation Thresholds		Replacement Value 25% Renovation Min. 60% Renovation Max.	\$ 7,004,816 \$ 1,751,204 \$ 4,202,890	
State Aid	55% 80% 20%	Allowed Project Cost State Aid Rate At Start At Completion	= \$4,415,400 \$3,532,320 \$883,080	\$ 8,028,000
		Total Proj	ect Cost	\$8,028,000
		Total S	State Aid	\$4,415,400

\$4,495,680

Barker Architects, PLLC 11/30/2020

Total Bond Amount

Mt C	aesar Element	ary		Option 8 - Troy South and Mt Caesar North						Life-C	Life-Cycle Cost Analysis		
	Student Capacity	Ra	525 tes/sf	Year									
	Task			1	2	3	3 4	5	6	7	8	9	10
	Division 0			-	-	-	-	-	-	-	-	-	-
	Division 1			-	-	-	-	-	-	-	-	-	-
	Division 2			-	-	-	-	-	-	-	-	-	-
	Division 3			-	-	-	-	-	-	-	-	-	-
	Division 4			-	-	-	-	-	-	-	-	-	-
	Division 5			-	-	-	-	-	-	-	-	-	-
SO	Division 6			-	-	-	-	-	-	-	-	-	-
当	Division 7			-	-	-	-	-	-	-	-	-	-
BUILDING NEEDS	Division 8			-	-	-	-	-	-	-	-	-	-
青	Division 9			-	-	-	-	-	-	-	-	-	-
5	Division 10			-	-	-	-	-	-	-	-	-	-
	Division 11			-	-	-	-	-	-	-	-	-	-
	Division 12			-	-	-	-	-	-	-	-	-	-
	Division 13			-	-	-	-	-	-	-	-	-	-
	Division 14			-	-	-	-	-	-	-	-	-	-
	Division 15			-	-	-	-	-	-	-	-	-	-
	Division 16 SUBTO	TAI		-	-	-	-	-	-	-	-	-	-
	Water	Ş Ş	0.20	14,051	14,458	14,877	15,309	15,753	16,210	16,680	17,163	17,661	18,173
	Electricity	\$	-	14,031	14,436	14,077	13,303	13,733	10,210	10,080	17,103	17,001	10,173
	Grid	\$	0.75	52,690	54,218	55,790	57,408	59,073	60,786	62,549	64,363	66,229	68,150
	On-Site	-	0.75	32,030	54,216	55,750	37,400	55,075	-	02,343	04,303	00,223	00,130
	Heating Fuel	\$	_	_				_					_
ES	Oil	\$		_							_		_
UTILITIES	Propane	\$	0.39	27,399	28,193	29,011	29,852	30,718	31,609	32,525	33,469	34,439	35,438
	Wood	\$	-	27,333	20,155	23,011	25,652	30,710	31,003	52,525	33,403	3-,-33	33,430
	Electricity	\$	_		_	_	_	_			_		
	Other	\$	_	_	_	_	_	_	_	_	_	_	_
	Cooking Fuel	\$	_	_	_	_	_	_	_	_	_	_	_
	SUBTO			94,139	96,869	99,679	102,569	105,544	108,605	111,754	114,995	118,330	121,761
	Cleaning	\$	1.50	105,380	108,436	111,581	114,816	118,146	121,572	125,098	128,726	132,459	136,300
_ S3	Repairs	\$	0.15	10,538	10,844	11,158	11,482	11,815	12,157	12,510	12,873	13,246	13,630
HUMAN	Productivity Loss		0.80%		21,687	22,316	22,963	23,629	24,314	25,020	25,745	26,492	27,260
≥ 0	Bussing/Student	\$	1,700	918,383	945,016	972,421	1,000,621	1,029,639	1,059,499	1,090,224	1,121,841	1,154,374	1,187,851
HUMAN	3.			-	-	, -	-	-		-	-		-
	SUBTO [*]	TAL		1,055,376	1,085,982	1,117,476	1,149,883	1,183,229	1,217,543	1,252,852	1,289,184	1,326,571	1,365,041
щ	Principal		5.00%	224,784	224,784	224,784	224,784	224,784	224,784	224,784	224,784	224,784	224,784
Š	Interest		1.67%	71,324	67,570	63,816	60,062	56,308	52,554	48,801	45,047	41,293	37,539
₹				-	-	-	-	-	-	-	-	-	-
8													
≥	Tax Income		2.40%	37,044	38,118	39,224	40,361	41,532	42,736	43,975	45,251	46,563	47,913
FE	Building Aid Reimburse	ement		883,080									
PROPERTY & FINANCE				-	-	-	-	-	-	-	-	-	-
۵.	SUBTO [*]	TAL		(624,016)	254,236	249,376	244,485	239,561	234,602	229,609	224,580	219,514	214,410
			TOTAL	525,500	1,437,087	1,466,531	1,496,937	1,528,334	1,560,750	1,594,215	1,628,759	1,664,414	1,701,212
											(GRAND TOTAL	\$ 14,603,739
				Dand Amt	¢ 4 40E 680		Duilding C:	60.272		Total Drain-+ C	act.	¢ 0 020 000	
				Bond Amt: Bond Term:	\$ 4,495,680 20		Building Size: Inflation:	68,273 2.90%	*	Total Project C State Aid Rate:		\$ 8,028,000	Nominal
				Bond Ferm: Bond Rate:	1.67%	**	Value Exist:	\$ 1,500,000		State Aid Rate		\$ 4,415,400	INUITIIIIIIII
				bollu hate.	1.07%		value Exist.	1,300,000		Jule building	niu.	4,413,400 ب	

^{*} Inflation based on current RS Means Historic Cost Index

Table I

 $[\]ensuremath{^{**}}$ Band Rate is last reported sale by the NH Municipal Bond Bank.

Troy Elementary School

Project Cost Worksheet

Student Capacity 525

1.	Site Development Costs				\$200,000
	Land Acquisition				
	Playfields	1	Field		
	Paving	100	Spaces	****	
	Site Prep & Utilities			\$200,000	
2.	General Construction - New				\$11,707,000
	New Constuction	40,675 s.f.	\$ 182 per s.f.	\$7,403,000	
	Renovation			\$3,564,000	
	Construction Contingency	5.00%		\$370,000	
	Construction Manager Fee	5.00%		\$370,000	
3.	Design Fees				\$630,000
	Civil Engineering	6.00%		\$10,000	, ,
	A&E New Construction	5.00%		\$370,000	
	A&E Renovation	7.00%		\$250,000	
				, ,	
4.	Furniture, Equipment and Serv				\$1,120,000
	Loose Equipment	5.00%		\$590,000	
	Phone Service	1.00%		\$120,000	
	Computers	2.00%		\$230,000	
	Utility Charges	1.50%		\$180,000	
5.	Administrative Costs				\$190,000
	Testing	0.25%		\$30,000	
	Survey, Borings	0.25%		\$30,000	
	Clerk of the Works	0.75%		\$90,000	
	Bonding/Legal	0.30%		\$40,000	
6.	Design Contingency	5%			\$700,000

Total Project Cost

\$14,547,000

(Note: all numbers rounded to nearest \$10,000)

Table G

Barker Architects, Inc.

9/22/2020

Troy Elementary School Student Capacity	525	Core Capacity	Bono 590	l Cost Worksheet
Square Foot Allowance				
State Allowable Formula Previous < 50 y.o.	120	square feet / student =	70,800	based on core capacity All Troy additions over 50 years old
Emerson Gym/CR Add.	1990		19,706	
		Total to Deduct	19,706	
Allowable Size			51,094	
Construction Cost Allowance				
State Allowable Formula \$ Site and Soft Cost	182	per square foot =	\$9,299,108 \$2,840,000	
Allowable Cost			12,139,108	
Reimbursement				
Renovation Thresholds		Replacement Value 25% Renovation Min. 60% Renovation Max.	\$ 4,029,208 \$ 1,007,302 \$ 2,417,525	
State Aid	55% 80%		= \$6,676,509 \$5,341,208 \$1,335,302	\$ 12,139,108
		Total Proj	ect Cost	\$14,547,000
		Total S	State Aid	\$6,676,509
		Total Bond	Amount	\$9,205,792

Barker Architects, PLLC 11/30/2020

Troy	Elementary Student Capacity		525	-	B - Troy So	outh and	d Mt Caes	ar North			Life-C	ycle Cost	Analysis
	TI.	D-4		Year	2			-		7			
	Task Division 0	Rate	es	1	2	3	. 4	5	6	,	8	9	10
	Division 1			_	_		_	_	_	_	_	_	_
	Division 2			_					_	_	_	_	_
	Division 3								_	_	_		_
	Division 4			_					_	_	_	_	_
	Division 5			_	_		_	_	_	_	_	_	_
Š	Division 6			_	-		-	-	_	-	-	-	_
딢	Division 7			_	-		-	-	_	-	-	-	_
BUILDING NEEDS	Division 8			_	-	_	-	-	-	_	_	-	_
Ž	Division 9			-	-	-	-	-	-	-	-	-	-
₽	Division 10			-	-	-	-	-	-	-	-	-	-
BU	Division 11			-	-	-	-	-	-	-	-	-	-
	Division 12			-	-	-	-	-	-	-	-	-	-
	Division 13			-	-	-	-	-	-	-	-	-	-
	Division 14			-	-	-	-	-	-	-	-	-	-
	Division 15			-	-	-	-	-	-	-	-	-	-
	Division 16			-	-	-	-	-	-	-	-	-	-
	SUBTOTAL			-	-	-	-	-	-	-	-	-	-
	Water	\$	-	-	-	-	-	-	-	-	-	-	-
	Electricity	\$	-	-	-	-	-	-	-	-	-	-	-
	Grid	\$	0.75	52,690	54,218	55,790	57,408	59,073	60,786	62,549	64,363	66,229	68,150
	On-Site	-		-	-	-	-	-	-	-	-	-	-
S	Heating Fuel	\$	-	-	-	-	-	-	-	-	-	-	-
Ë	Oil	\$	-	-	-	-	-	-	-	-	-	-	-
UTILLTIES	Propane	\$	0.40	28,101	28,916	29,755	30,618	31,506	32,419	33,359	34,327	35,322	36,347
)	Wood	\$	-	-	-	-	-	-	-	-	-	-	-
	Electricity	\$	-	-	-	-	-	-	-	-	-	-	-
	Other	\$	-	-	-	-	-	-	-	-	-	-	-
	Cooking Fuel	\$	-	-	-	-	-	-	-	-	-	-	-
	SUBTOTAL			80,791	83,134	85,545	88,026	90,579	93,205	95,908	98,690	101,552	104,497
	Cleaning	\$	1.50	105,380	108,436	111,581	114,816	118,146	121,572	125,098	128,726	132,459	136,300
z ö	Repairs	\$	0.15	10,538	10,844	11,158	11,482	11,815	12,157	12,510	12,873	13,246	13,630
HUMAN	Productivity Loss		0.80%	21,076	21,687	22,316	22,963	23,629	24,314	25,020	25,745	26,492	27,260
HUMAN	Bussing	\$	1,800	972,405	1,000,605	1,029,622	1,059,481	1,090,206	1,121,822	1,154,355	1,187,831	1,222,279	1,257,725
~	CURTOTAL			4 400 200	-	4 474 677	4 200 742	-	4 270 066	-	4 255 475	4 204 475	4 424 045
	SUBTOTAL	-	F 000/	1,109,399	1,141,571	1,174,677	1,208,743	1,243,796	1,279,866	1,316,982	1,355,175	1,394,475	1,434,915
E	Principal		5.00%	460,290	460,290	460,290	460,290	460,290	460,290	460,290	460,290	460,290	460,290
Ą	Interest		1.67%	146,050	138,363	130,676	122,989	115,303	107,616	99,929	92,242	84,555	76,868 -
듄				-	-	-	-	-	-	-	-	-	-
∞ ~	Tay Incomo		2.40%	27.044	20 110	20.224	40.261	41 522	42.726	42.075	45,251	46 563	47.012
<u>F</u>	Tax Income Building Aid Reimburseme	+	2.40%	37,044 1,374,026	38,118	39,224	40,361	41,532	42,736	43,975	45,251	46,563	47,913
PROPERTY & FINANCE	bulluling Alu Keliliburseille	enic		1,374,020	-		-			-	-		-
P.R.	SUBTOTAL			(804,730)	560,534	551,742	542,918	534,061	525,169	516,243	507,281	498,282	489,245
	JODIOTAL	-		(804,730)	300,334	331,742	342,310	334,001	323,103	310,243	307,201	430,202	463,243
			TOTAL	385,460	1,785,240	1,811,964	1,839,686	1,868,435	1,898,241	1,929,134	1,961,146	1,994,308	2,028,656
				333, .00	_,, 00,_ 10	_,011,004	2,000,000	2,000, .00	1,000,241	2,525,254	2,502,240	2,55 .,500	1,020,030
												GRAND TOTAL	\$ 17.502.271
				Bond Amt:	\$ 9,205,792		Building Size:	68,273		Total Project C	Cost:	\$ 14,547,000	
				Bond Term:	20		Inflation:	2.90%	*	State Aid Rate			Nominal
				Bond Rate:	1.67%	**	Value Exist:	\$ 1,500,000		State Building		\$6,676,509	

^{*} Inflation based on current RS Means Historic Cost Index

Table I

 $[\]ensuremath{^{**}}$ Band Rate is last reported sale by the NH Municipal Bond Bank.

OPTION 9

ADDITIONS / RENOVATIONS TO MT CAESAR TROY AS NEW CENTRAL ELEMENTARY ADDITIONS / RENOVATIONS TO EMERSON AND GILSUM

Emerson Elementary School

Project Cost Worksheet

Student Capacity 200

1.	Site Development Costs				\$200,000
	Land Acquisition				
	Playfields	1	Field		
	Paving	100	Spaces		
	Site Prep & Utilities			\$200,000	
2.	General Construction - New				\$1,844,000
	New Constuction	1,116 s.f.	\$ 182 per s.f.	\$203,000	ψ1,011,000
	Renovation	1,110 0	Ψ 102 ροι σ	\$ 1,621,000	
	Construction Contingency	5.00%		\$10,000	
	Construction Manager Fee	5.00%		\$10,000	
	Construction Manager 1 ee	3.00 /0		ψ10,000	
3.	Design Fees				\$100,000
	Civil Engineering	6.00%		\$10,000	
	A&E New Construction	5.00%		\$90,000	
	A&E Renovation	7.00%		\$0	
4.	Furniture, Equipment and Servi				\$180,000
	Loose Equipment	5.00%		\$90,000	
	Phone Service	1.00%		\$20,000	
	Computers	2.00%		\$40,000	
	Utility Charges	1.50%		\$30,000	
5.	Administrative Costs				\$50,000
	Testing	0.25%		\$10,000	
	Survey, Borings	0.25%		\$10,000	
	Clerk of the Works	0.75%		\$20,000	
	Bonding/Legal	0.30%		\$10,000	
	J J			•	
6.	Design Contingency	5%			\$100,000
		3 ,5			4 ,

Total Project Cost

\$2,474,000

(Note: all numbers rounded to nearest \$10,000)

Table G

Barker Architects, Inc.

10/29/2020

Bond Cost Worksheet Emerson Elementary School Student Capacity 200 **Core Capacity** 248 Square Foot Allowance State Allowable Formula 144 square feet / student : 35,712 based on core capacity Previous < 35 y.o. Gym/CR Addition 1990 19,706 Pre-School Total to Deduct 19,706 Allowable Size 16,006 **Construction Cost Allowance** State Allowable Formula 182 per square foot = \$2,913,092 Site and Soft Cost \$630,000 Allowable Cost 3,543,092 Reimbursement Renovation Thresholds Replacement Value \$ 5,977,972 25% Renovation Min. \$ 1,494,493 60% Renovation Max. \$ 3,586,783 State Aid Allowed Project Cost 2,474,000 55% State Aid Rate \$1,360,700 80% At Start \$1,088,560 20% At Completion \$272,140 **Total Project Cost** \$2,474,000

Total Bond Amount \$1,385,440

\$1,360,700

Table H

Barker Architects, PLLC 11/30/2020

Total State Aid

Eme	rson Elementary Student Capacity		200	Option 9	- Combin	ie Swanz	ey and Ti	roy			Life-Cy	cle Cost A	Analysis
	Task	Rat	tes	1	2	3	4	5	6	7	8	9	10
	Division 0			-	-	-	-	-	-	-	-	-	-
	Division 1			-	-	-	-	-	-	-	-	-	-
	Division 2			-	-	-	-	-	-	-	-	-	-
	Division 3			-	-	-	-	-	-	-	-	-	-
	Division 4			-	-	-	-	-	-	-	-	-	-
	Division 5			-	-	-	-	-	-	-	-	-	-
SO	Division 6			-	-	-	-	-	-	-	-	-	-
BUILDING NEEDS	Division 7			-	-	-	-	-	-	-	-	-	-
9	Division 8			-	-	-	-	-	-	-	-	-	-
흑	Division 9			-	-	-	-	-	-	-	-	-	-
	Division 10			-	-	-	-	-	-	-	-	-	-
	Division 11 Division 12			-	-	-	-	-	-	-	-	-	-
	Division 13			_	_	_	_	_	_	_	_	_	_
	Division 14			-	-	_	_	_	_	_	-	_	_
	Division 15			-	-	-	_	_	_	_	_	_	-
	Division 16			-	-	-	-	-	-	-	-	-	-
	SUBTOTAL	L		-	-	-	-	-	-	-	-	-	-
	Water	\$	0.20	6,989	7,192	7,401	7,615	7,836	8,063	8,297	8,538	8,785	9,040
	Electricity	\$	-	-	-	-	-	-	-	-	-	-	-
	Grid	\$	0.60	26,210	26,970	27,753	28,557	29,386	30,238	31,115	32,017	32,945	33,901
	On-Site	-		-	-	-	-	-	-	-	-	-	-
IES	Heating Fuel	\$	-	-	-	-	-	-	-	-	-	-	-
UTILITIES	Oil	\$	-	-	-	-	-	-	-	-	-	-	-
5	Propane	\$	0.80	27,958	28,768	29,603	30,461	31,345	32,254	33,189	34,151	35,142	36,161
	Wood	\$ \$	-	-	-	-	-	-	-	-	-	-	-
	Electricity Other	\$	-	-	-	-	-	-	-	-	-	-	-
	Cooking Fuel	\$				-	-		-	-	_		-
	SUBTOTAL			61,157	62,931	64,756	66,634	68,566	70,555	72,601	74,706	76,873	79,102
	Cleaning	\$	2.00	69,894	71,921	74,007	76,153	78,361	80,634	82,972	85,378	87,854	90,402
_ 🛚	Repairs	\$	0.20	6,989	7,192	7,401	7,615	7,836	8,063	8,297	8,538	8,785	9,040
JRC JR	Productivity Loss		0.90%	11,795	12,137	12,489	12,851	13,223	13,607	14,002	14,408	14,825	15,255
\(\frac{1}{2}\)	Bussing	\$	1,600	329,280	338,829	348,655	358,766	369,170	379,876	390,893	402,229	413,893	425,896
HUMAN				-	-	-	-	-	-	-	-	-	-
	SUBTOTAL	L		417,958	430,079	442,551	455,385	468,591	482,180	496,164	510,552	525,358	540,594
핑	Principal		5.00%	69,272	69,272	69,272	69,272	69,272	69,272	69,272	69,272	69,272	69,272
AN	Interest		1.67%	21,980	20,823	19,666	18,509	17,353	16,196	15,039	13,882	12,725	11,568
E				-	-	-	-	-	-	-	-	-	-
∞ ~	Tay Income		2.40%	-	-	-	-	-	-	-	-	-	-
E.	Tax Income Building Aid Reimburseme	ont	2.40%	280,032	-	-	-	-	-	-	-	-	-
PROPERTY & FINANCE	bullaring Ala Reimbarseme	CIIL		200,032	_	_	_	_	_	_	_	_	
Æ	SUBTOTAL	L		(188,780)	90,095	88,938	87,781	86,625	85,468	84,311	83,154	81,997	80,840
			TOTAL	290,335	583,105	596,245	609,800	623,782	638,203	653,075	668,413	684,228	700,536
											GF	RAND TOTAL	\$ 6,047,724

Bond Amount \$	1,385,440	Building Size:	33,962	Total Project Cost:	\$ 2,474,000
Bond Term:	20	Inflation Rate:	2.90% *	State Aid Rate:	55% Nominal
Bond Rate:	2.15% **	Value of Exist:	0	State Building Aid:	\$1,360,700

^{*} Inflation based on current RS Means Historic Cost Index

 $[\]ensuremath{^{**}}$ Band Rate is last reported sale by the NH Municipal Bond Bank.

Gilsum Elementary

Project Cost Worksheet

Student Capacity 100

1.	Site Development Costs				\$0
	Land Acquisition				
	Playfields	1	Field		
	Paving	100	Spaces		
	Site Prep & Utilities				
2.	General Construction - New				\$3,657,000
	New Constuction	8,383 s.f.	\$ 182 per s.f.	\$1,526,000	40,001,000
	Renovation	,		\$1,979,000	
	Construction Contingency	5.00%		\$76,000	
	Construction Manager Fee	5.00%		\$76,000	
0	D : E				# 400.000
3.	Design Fees	0.000/		Φ0	\$180,000
	Civil Engineering A&E New Construction	6.00%		\$0	
	A&E New Construction A&E Renovation	5.00% 7.00%		\$180,000 \$0	
	A&E Renovation	7.00%		Φυ	
4.	Furniture, Equipment and Servi	ces			\$340,000
	Loose Equipment	5.00%		\$180,000	
	Phone Service	1.00%		\$40,000	
	Computers	2.00%		\$70,000	
	Utility Charges	1.50%		\$50,000	
5.	Administrative Costs				\$60,000
	Testing	0.25%		\$10,000	
	Survey, Borings	0.25%		\$10,000	
	Clerk of the Works	0.75%		\$30,000	
	Bonding/Legal	0.30%		\$10,000	
6.	Design Contingency	5%			\$200,000

Total Project Cost

\$4,437,000

(Note: all numbers rounded to nearest \$10,000)

Table G

Barker Architects, Inc. 9/22/2020

Gilsum Elementary Student Capacity	100 Core Capacity			l Cost Worksheet
Square Foot Allowance				
State Allowable Formula Previous < 35 y.o. Original 1970's 1980's 1990's	144	square feet / student =	23,040 7,890	Older than 35 years Older than 35 years Older than 35 years Older than 35 years
Pre-School				
Allowable Size		Total to Deduct	7,890 15,150	
Construction Cost Allowance				
State Allowable Formula Site and Soft Cost	\$ 182	per square foot =	\$2,757,300 \$780,000	
Allowable Cost			\$2,772,450	
Reimbursement				
Renovation Thresholds		Replacement Value 25% Renovation Min. 60% Renovation Max.	\$ 3,288,376 \$ 822,094 \$ 1,973,026	
State Aid	55% 80% 20%		= \$1,524,848 \$1,219,878 \$304,970	\$ 2,772,450
		Total Proj	ect Cost	\$4,437,000
		Total S	State Aid	\$1,524,848
		Total Bond	Amount	\$3,217,122

Barker Architects, PLLC 11/30/2020

Gilsu	IM STEAM AC	cadem	y 100		9 - Combine	e Swan	zey and T	roy			Life-Cy	cle Cost /	Analysis
	Task	Ra	tes	Year 1	2	3	4	5	6	7	8	9	10
	Division 0	na	ics			-	-	-	-	-	-	-	-
	Division 1			-	-	-	-	-	-	-	-	-	-
	Division 2			-	-	-	-	-	-	-	-	-	-
	Division 3			-	-	-	-	-	-	-	-	-	-
	Division 4			-	-	-	-	-	-	-	-	-	-
	Division 5			-	-	-	-	-	-	-	-	-	-
DS	Division 6			-	-	-	-	-	-	-	-	-	-
單	Division 7			-	-	-	-	-	-	-	-	-	-
BUILDING NEEDS	Division 8			-	-	-	-	-	-	-	-	-	-
	Division 9			-	-	-	-	-	-	-	-	-	-
3	Division 10			-	-	-	-	-	-	-	-	-	-
ω	Division 11			-	-	-	-	-	-	-	-	-	-
	Division 12			-	-	-	-	-	-	-	-	-	-
	Division 13			-	-	-	-	-	-	-	-	-	-
	Division 14			-	-	-	-	-	-	-	-	-	-
	Division 15			-	-	-	-	-	-	-	-	-	-
	Division 16	TOTAL		-	-	-	-	-	-	-	-	-	-
	Water	TOTAL \$	0.20	5,444	5,601	5,764	5,931	6,103	6,280	6,462	6,650	6,842	7,041
	Electricity	\$	-	-	5,001	3,704	3,331	0,103	0,280	-	-	0,842	7,041
	Grid	\$	0.85	23,135	23,806	24,496	25,207	25,938	26,690	27,464	28,260	29,080	29,923
	On-Site	-	0.05	-	-		-	-	-	-	-	-	-
	Heating Fuel	\$	_	_	-	_	-	-	-	_	_	_	_
邕	Oil	\$	0.94	25,585	26,327	27,090	-	-	-	-	-	-	-
UTILITIES	Propane	\$	0.40	· -	-	· -	11,862	12,206	12,560	12,924	13,299	13,685	14,082
5	Wood	\$	-	-	-	-	-	-	-	-	-	-	-
	Electricity	\$	-	-	-	-	-	-	-	-	-	-	-
	Other	\$	-	-	-	-	-	-	-	-	-	-	-
	Cooking Fuel	\$	-	-	-	-	-	-	-	-	-	-	-
		TOTAL		54,163	55,734	57,350	43,000	44,247	45,530	46,850	48,209	49,607	51,046
	Cleaning	\$	2.00	54,435	56,014	57,639	59,310	61,030	62,800	64,621	66,495	68,423	70,408
CES N	Repairs	\$	0.20	5,444	5,601	5,764	5,931	6,103	6,280	6,462	6,650	6,842	7,041
₹ N	Productivity Loss		0.90%		9,452	9,726	10,009	10,299	10,597	10,905	11,221	11,546	11,881
HUMAN	Bussing	\$	1,600	164,640	169,415	174,328	179,383	184,585	189,938	195,446	201,114	206,947	212,948
₩ 2	CLID	TOTAL		-	-	247.456	-	-	200.046	-	205 400	-	-
		TOTAL		233,705	240,482	247,456	254,633	262,017	269,616	277,434	285,480	293,759	302,278
E E	Principal			160,856 51,040	160,856	160,856	160,856	160,856	160,856	160,856	160,856	160,856	160,856
Ą	Interest			51,040	48,353	45,667	42,981	40,294	37,608	34,922	32,236	29,549	26,863
Ē				-	-	-	-	-	-	-	-	-	-
∞ ≻	Tax Income			_			_	_	_	_	_		
ERT	Building Aid Reimbu	irsement		304,970	_	_	_	_	_	_	_	_	_
PROPERTY & FINANCE	banang / na riennbe	a. 5cc		-	-	_	-	-	-	_	_	-	-
8	SUB	TOTAL		(93,074)	209,209	206,523	203,837	201,151	198,464	195,778	193,092	190,405	187,719
													•
			TOTAL	194,795	505,426	511,330	501,469	507,414	513,610	520,063	526,781	533,771	541,043
											G	RAND TOTAL	\$ 4,855,701
									_			4	
				Bond Amt:	\$ 3,217,122		Building Size:	26,451		Total Project Co	St:	\$ 4,437,000	lamina!
				Bond Term: Bond Rate:	20 1.67% **		Inflation: Value Exist:	2.90% *		State Aid Rate: State Building A	id:		Nominal ***
				שטווע המנפ.	1.07/0		value EXIST.		•	otate bulluling A	iu.	71,324,040	

^{*} Inflation based on current RS Means Historic Cost Index

^{***} Limited by Previous Additions

 $[\]ensuremath{^{**}}$ Band Rate is last reported sale by the NH Municipal Bond Bank.

Mt Ceasar Elementary

Project Cost Worksheet

Student Capacity 750

1.	Site Development Costs				\$400,000
	Land Acquisition				
	Playfields	1	Field		
	Paving	100	Spaces	\$100,000	
	Site Prep & Utilities			\$300,000	
2.	General Construction - New				\$12,206,000
	New Constuction	59,643 s.f.	\$ 182 per s.f.	\$10,855,000	, , ,
	Renovation	•		\$265,000	
	Construction Contingency	5.00%		\$543,000	
	Construction Manager Fee	5.00%		\$543,000	
	3			, ,	

3.	Design Fees	2.224		***	\$580,000
	Civil Engineering	6.00%		\$20,000	
	A&E New Construction	5.00%		\$540,000	
	A&E Renovation	7.00%		\$20,000	
4.	Furniture, Equipment and Serv	/ices			\$1,150,000
	Loose Equipment	5.00%		\$610,000	, , ,
	Phone Service	1.00%		\$120,000	
	Computers	2.00%		\$240,000	
	Utility Charges	1.50%		\$180,000	
	, 3			, ,	
5.	Administrative Costs				\$190,000
	Testing	0.25%		\$30,000	
	Survey, Borings	0.25%		\$30,000	
	Clerk of the Works	0.75%		\$90,000	
	Bonding/Legal	0.30%		\$40,000	
6.	Design Contingency	5%			\$700,000

Total Project Cost

\$15,226,000

(Note: all numbers rounded to nearest \$10,000)

Table G

Barker Architects, Inc. 11/30/2020

Mt Ceasar Elementary			Bond	Cost Worksheet
Student Capacity	750	Core Capacity	880	
Square Foot Allowance				
State Allowable Formula Previous < 35 y.o.	120	square feet / student =	105,600	based on core capacity
Original Schools 1st Additions Early Cutler Additions	1900, 1950 1950's			Older than 35 years Older than 35 years Older than 35 years
Mt Ceasar Additions Mt Ceasar Additions Cutler Gym Pre-School	1987 2000 1990's		4,733 11,382 655	Older than 35 years
Allowable Size		Total to Deduct	16,770 88,830	
Construction Cost Allowance				
State Allowable Formula Site and Soft Cost	\$ 182	per square foot =	\$16,167,060 \$3,020,000	
Allowable Cost			\$16,255,890	
Reimbursement				
Renovation Thresholds		Replacement Value 25% Renovation Min. 60% Renovation Max.	\$ 7,004,816 \$ 1,751,204 \$ 4,202,890	
State Aid	55% 80% 20%	At Start	= \$8,374,300 \$6,699,440 \$1,674,860	\$ 15,226,000
		Total Proj	ect Cost	\$15,226,000

\$8,526,560

Total State Aid \$8,374,300

Barker Architects, PLLC 11/30/2020

Total Bond Amount

Mt C	aesar Elementary Student Capacity	750		- Combi	ne Swan	zey and T	roy			Life-C	ycle Cost	Analysis
		atos	Year	2	2	4	5	6	7	0	9	10
	Task Randon Rand	ates	1	- 2	- 3	- 4	- 5	- 6	- '	- 8	- 9	10
	Division 1		-	_	-	-	-	-	-	_	_	-
	Division 2		-	-	-	-	-	-	-	-	-	-
	Division 3		-	-	-	-	-	-	-	-	-	-
	Division 4		-	-	-	-	-	-	-	-	-	-
	Division 5		-	-	-	-	-	-	-	-	-	-
DS	Division 6		-	-	-	-	-	-	-	-	-	-
빌	Division 7		-	-	-	-	-	-	-	-	-	-
BUILDING NEEDS	Division 8		-	-	-	-	-	-	-	-	-	-
ā	Division 9		-	-	-	-	-	-	-	-	-	-
E	Division 10 Division 11		-	-	-	-	-	-	-	-	-	-
	Division 12		-	-		-	-			_	-	-
	Division 13			_							_	_
	Division 14		_	_	-	_	_		_	_	_	-
	Division 15		-	_	-	-	-	_	_	-	_	_
	Division 16		-	-	-	-	-	-	-	-	-	-
	SUBTOTAL		-	-	-	-	-	-	-	-	-	-
	Water \$		20,195	20,781	21,384	22,004	22,642	23,298	23,974	24,669	25,385	26,121
	Electricity \$		-	-	-	-	-	-	-	-	-	-
UTILLTIES	Grid \$	0.75	75,732	77,929	80,189	82,514	84,907	87,369	89,903	92,510	95,193	97,953
	On-Site -		-	-	-	-	-	-	-	-	-	-
	Heating Fuel \$		-	-	-	-	-	-	-	-	-	-
	Oil \$		-	-	-	42.007	44.153	45 422	-	40.105	-	-
5	Propane \$ Wood \$		39,381	40,523	41,698	42,907	44,152	45,432	46,750	48,105	49,500	50,936
	Wood \$ Electricity \$		-	-	-	-	-	-	-	-	-	-
	Other \$					-						-
	Cooking Fuel \$		_	_	_	-	-	_	-	-	_	-
	SUBTOTAL		135,308	139,232	143,270	147,425	151,700	156,100	160,626	165,285	170,078	175,010
	Cleaning \$	1.50		155,857	160,377	165,028	169,814	174,738	179,806	185,020	190,386	195,907
Z S	Repairs \$	0.15	15,146	15,586	16,038	16,503	16,981	17,474	17,981	18,502	19,039	19,591
A P	Productivity Loss	0.80%	30,293	31,171	32,075	33,006	33,963	34,948	35,961	37,004	38,077	39,181
HUMAN	Bussing \$	2,000	1,543,500	1,588,262	1,634,321	1,681,716	1,730,486	1,780,670	1,832,310	1,885,447	1,940,125	1,996,388
- 2			-	-	-	-	-	-	-	-	-	-
	SUBTOTAL		1,740,404	1,790,876	1,842,811	1,896,253	1,951,244	2,007,830	2,066,057	2,125,973	2,187,626	2,251,067
핑	Principal 	5.00%	,	426,328	426,328	426,328	426,328	426,328	426,328	426,328	426,328	426,328
ΔĀ	Interest	1.67%	6 135,274	128,154	121,035	113,915	106,795	99,675	92,556	85,436	78,316	71,197
Ē			-	-	-	-	-	-	-	-	-	-
> ∞	Tax Income	2.40%	6 74,088	76,237	78,447	80,722	83,063	85,472	87,951	90,501	93,126	95,827
ERT	Building Aid Reimbursement		1,674,860	70,237	70,	00,722	05,005	03,2	0,,551	30,301	33,120	33,027
PROPERTY & FINANCE			-,	-	-	-	-	-	-	-	-	-
#	SUBTOTAL		(1,187,346)	478,246	468,915	459,520	450,060	440,531	430,933	421,263	411,518	401,698
		TOTA	L 688,366	2,408,354	2,454,996	2,503,198	2,553,004	2,604,461	2,657,617	2,712,520	2,769,222	2,827,776
										(GRAND TOTAL	\$ 24.179.515
			Bond Amount	\$ 8,526,560		Building Size:	98,131		Total Project C	ost:	\$ 15,226,000	
			Bond Term:	20		Inflation Rate:	2.90%	*	State Aid Rate	:	55%	Nominal
			Bond Rate:	1.67%	**	Value of Exist:	\$ 3,000,000		State Building	Aid:	\$8,374,300	

^{*} Inflation based on current RS Means Historic Cost Index

Table I

 $[\]ensuremath{^{**}}$ Band Rate is last reported sale by the NH Municipal Bond Bank.

OPTION 10

TOWN SCHOOLS
CONSOLIDATE SWANZEY TO MT CEASAR
ADDITIONS/RENOVATIONS TO
EMERSON
TROY
GILSUM

Emerson Elementary School

Project Cost Worksheet

Student Capacity 200

1.	Site Development Costs				\$200,000
	Land Acquisition				
	Playfields	1	Field		
	Paving	100	Spaces		
	Site Prep & Utilities			\$200,000	
2.	General Construction - New				\$1,844,000
	New Constuction	1,116 s.f.	\$ 182 per s.f.	\$203,000	ψ1,011,000
	Renovation	1,110 0	Ψ 102 ροι σ	\$ 1,621,000	
	Construction Contingency	5.00%		\$10,000	
	Construction Manager Fee	5.00%		\$10,000	
	Construction Manager 1 ee	3.00 /0		ψ10,000	
3.	Design Fees				\$100,000
	Civil Engineering	6.00%		\$10,000	
	A&E New Construction	5.00%		\$90,000	
	A&E Renovation	7.00%		\$0	
4.	Furniture, Equipment and Servi				\$180,000
	Loose Equipment	5.00%		\$90,000	
	Phone Service	1.00%		\$20,000	
	Computers	2.00%		\$40,000	
	Utility Charges	1.50%		\$30,000	
5.	Administrative Costs				\$50,000
	Testing	0.25%		\$10,000	
	Survey, Borings	0.25%		\$10,000	
	Clerk of the Works	0.75%		\$20,000	
	Bonding/Legal	0.30%		\$10,000	
	J J			•	
6.	Design Contingency	5%			\$100,000
		3 ,5			4 ,

Total Project Cost

\$2,474,000

(Note: all numbers rounded to nearest \$10,000)

Table G

Barker Architects, Inc.

10/29/2020

Emerson Elementary School			Bond	Bond Cost Worksheet		
Student Capacity	200	Core Capacity	248			
Square Foot Allowance						
State Allowable Formula Previous < 50 y.o.	144	square feet / student =	35,712	based on core capacity		
Gym/CR Addition	1990		19,706			
		Total to Deduct	19,706			
Allowable Size			16,006			
Construction Cost Allowance						
State Allowable Formula \$ Site and Soft Cost	182	per square foot =	\$2,913,092 \$630,000			
Allowable Cost			3,543,092			
Reimbursement						
Renovation Thresholds		Replacement Value 25% Renovation Min. 60% Renovation Max.				
State Aid	55% 80% 20%	At Start	= \$1,360,700 \$1,088,560 \$272,140	\$ 2,474,000		
		Total Proj	ect Cost	\$2,474,000		
		Total S	State Aid	\$1,360,700		
		Total Bond	Amount	\$1,385,440		

Barker Architects, PLLC 10/29/2020

Emei	rson Elementary Student Capacity	20	•	0 - Town	Schools					Life-Cy	cle Cost A	Analysis
	Task		1	2	3	4	5	6	7	8	9	10
	Division 0		-	-	-	-	-	-	-	-	-	-
	Division 1		-	-	-	-	-	-	-	-	-	-
	Division 2		-	_	-	_	_	-	_	-	-	_
	Division 3		_	_	-	_	_	_	_	_	_	_
	Division 4		_	_	_	_	_	_	_	_	_	_
	Division 5		_	_	_	_	_	_	_	_	_	_
S	Division 6		_	_	_	_	_	_	_	_	_	_
BUILDING NEEDS	Division 7			_	_	_		_			_	_
Z	Division 8			_	_	_		_			_	_
8	Division 9			_	_	_		_			_	_
⊴	Division 10		_	_	_	_	_	_	_	_	_	_
E III	Division 11					_		_				
	Division 12			_	_	_		_			_	_
	Division 13			_	_	_		_			_	_
	Division 14		_	_	_	_	_	_	_	_	_	_
	Division 15		_	-	_	-	_	_	_	-	_	_
	Division 16		-	_	-	_	_	-	_	-	-	_
	SUBTOTAL		-	-	-	-	-	-	-	-	-	-
	Water	\$ 0.20	0 6,989	7,192	7,401	7,615	7,836	8,063	8,297	8,538	8,785	9,040
	Electricity	\$ -	-	-	-	-	-	-	-	-	-	-
	Grid	\$ 0.60	0 26,210	26,970	27,753	28,557	29,386	30,238	31,115	32,017	32,945	33,901
٧,	On-Site	-	-	-	-	-	-	-	-	-	-	-
	Heating Fuel	\$ -	-	-	-	-	-	-	-	-	-	-
2	Oil	\$ -	-	-	-	-	-	-	-	-	-	-
UTILITIES	Propane	\$ 0.80	0 27,958	28,768	29,603	30,461	31,345	32,254	33,189	34,151	35,142	36,161
)	Wood	\$ -	-	-	-	-	-	-	-	-	-	-
	Electricity	\$ -	-	-	-	-	-	-	-	-	-	-
	Other	\$ -	-	-	-	-	-	-	-	-	-	-
	Cooking Fuel	\$ -	-	-	-	-	-	-	-	-	-	-
	SUBTOTAL		61,157	62,931	64,756	66,634	68,566	70,555	72,601	74,706	76,873	79,102
	Cleaning	\$ 2.00	,	71,921	74,007	76,153	78,361	80,634	82,972	85,378	87,854	90,402
z ö	Repairs	\$ 0.20	,	7,192	7,401	7,615	7,836	8,063	8,297	8,538	8,785	9,040
A N	Productivity Loss	0.9		12,137	12,489	12,851	13,223	13,607	14,002	14,408	14,825	15,255
HUMAN	Bussing	\$ 1,600		338,829	348,655	358,766	369,170	379,876	390,893	402,229	413,893	425,896
~~	CUPTOTAL		-	-	- 442.554	455.205	460 504	-	100.101	-	-	-
	SUBTOTAL	5.00	417,958	430,079	442,551	455,385	468,591	482,180	496,164	510,552	525,358	540,594
B B	Principal Interest	1.67	,	69,272 20,823	69,272 19,666	69,272 18,509	69,272 17,353	69,272 16,196	69,272 15,039	69,272 13,882	69,272 12,725	69,272
Ą	interest	1.07	/0 21,560	20,623	19,000	16,309	17,555	10,190	13,039	13,002	12,723	11,568
듄			_	_	_	_	_	_	_	_	_	_
∞ >	Tax Income	2.40	0/	-	-	-	-	-	-	-	-	-
FR	Building Aid Reimbursemen		280,032	-	-	-	-	-	-	-	-	-
PROPERTY & FINANCE	Dunanig Alu Neimbul Semen		200,032	-	-		-					-
PRG	SUBTOTAL		(188,780)	90,095	88,938	87,781	86,625	85,468	84,311	83,154	81,997	80,840
	JODIOTAL		(130,700)	30,033	00,330	07,701	00,023	03,400	04,311	03,134	01,331	00,040
		TOTA	AL 290,335	583,105	596,245	609,800	623,782	638,203	653,075	668,413	684,228	700,536
			,									,
										GI	RAND TOTAL	\$ 6,047,724

Bond Amount \$	1,385,440	Building Size:	33962	Total Project Cost:	\$ 2,474,000
Bond Term:	20	Inflation Rate:	2.90% *	State Aid Rate:	55% Nominal
Bond Rate:	1.67% **	Value of Exist:	0	State Building Aid:	\$1,360,700

^{*} Inflation based on current RS Means Historic Cost Index

 $[\]ensuremath{^{**}}$ Band Rate is last reported sale by the NH Municipal Bond Bank.

Gilsum Elementary

Project Cost Worksheet

Student Capacity 100

1.	Site Development Costs				\$0
	Land Acquisition				
	Playfields	1	Field		
	Paving	100	Spaces		
	Site Prep & Utilities				
2.	General Construction - New				\$3,657,000
	New Constuction	8,383 s.f.	\$ 182 per s.f.	\$1,526,000	40,001,000
	Renovation	,		\$1,979,000	
	Construction Contingency	5.00%		\$76,000	
	Construction Manager Fee	5.00%		\$76,000	
0	D : E				# 400.000
3.	Design Fees	0.000/		Φ0	\$180,000
	Civil Engineering A&E New Construction	6.00%		\$0	
	A&E New Construction A&E Renovation	5.00% 7.00%		\$180,000 \$0	
	A&E Renovation	7.00%		Φυ	
4.	Furniture, Equipment and Servi	ces			\$340,000
	Loose Equipment	5.00%		\$180,000	
	Phone Service	1.00%		\$40,000	
	Computers	2.00%		\$70,000	
	Utility Charges	1.50%		\$50,000	
5.	Administrative Costs				\$60,000
	Testing	0.25%		\$10,000	
	Survey, Borings	0.25%		\$10,000	
	Clerk of the Works	0.75%		\$30,000	
	Bonding/Legal	0.30%		\$10,000	
6.	Design Contingency	5%			\$200,000

Total Project Cost

\$4,437,000

(Note: all numbers rounded to nearest \$10,000)

Table G

Barker Architects, Inc. 9/22/2020

Gilsum Elementary Student Capacity	100	Core Capacity	Bonc 160	l Cost Worksheet
Square Foot Allowance				
State Allowable Formula Previous < 35 y.o. Original 1970's 1980's 1990's	144	square feet / student =	23,040 7,890	Older than 35 years Older than 35 years Older than 35 years Older than 35 years
Pre-School				
Allowable Size		Total to Deduct	7,890 15,150	
Construction Cost Allowance				
State Allowable Formula Site and Soft Cost	\$ 182	per square foot =	\$2,757,300 \$780,000	
Allowable Cost			\$2,772,450	
Reimbursement				
Renovation Thresholds		Replacement Value 25% Renovation Min. 60% Renovation Max.	\$ 3,288,376 \$ 822,094 \$ 1,973,026	
State Aid	55% 80% 20%		= \$1,524,848 \$1,219,878 \$304,970	\$ 2,772,450
		Total Proj	ect Cost	\$4,437,000
		Total S	State Aid	\$1,524,848
		Total Bond	Amount	\$3,217,122

Barker Architects, PLLC 11/30/2020

Giisa	m STEAM Aca Student Capacity	aemy	100	Option 1	l0 - Town S	chools	;				Life-Cy	cle Cost A	Analysis
	Task			1	2	3	4	5	6	5 7	8	9	10
	Division 0			-	-	-	-	-	-	-	-	-	-
	Division 1			-	-	-	-	-	-	-	-	-	-
	Division 2			-	-	-	-	-	-	-	-	-	-
	Division 3			-	-	-	-	-	-	-	-	-	-
	Division 4 Division 5			-	-	-	-	-	-	-	-	-	-
S	Division 6			-	-		-	-	-	-	-	-	
띮	Division 7			-	-	_	_	-	_	-	_	-	-
BUILDING NEEDS	Division 8			-	-	-	-	-	-	-	-	-	-
Ž	Division 9			-	-	-	-	-	-	-	-	-	-
불	Division 10			-	-	-	-	-	-	-	-	-	-
五	Division 11			-	-	-	-	-	-	-	-	-	-
	Division 12			-	-	-	-	-	-	-	-	-	-
	Division 13			-	-	-	-	-	-	-	-	-	-
	Division 14 Division 15			-	-	-	-	-	-	-	-	-	-
	Division 16				-	-	-	-	-	-		-	
	SUBTO	TAL		-	-	-	-	-	-	-	-	-	-
	Water	\$	0.20	5,444	5,601	5,764	5,931	6,103	6,280	6,462	6,650	6,842	7,041
	Electricity	\$	-	-	-	-	-	-	-	-	-	-	-
	Grid	\$	0.85	23,135	23,806	24,496	25,207	25,938	26,690	27,464	28,260	29,080	29,923
	On-Site	-		-	-	-	-	-	-	-	-	-	-
ES	Heating Fuel	\$	-	-	-	-	-	-	-	-	-	-	-
UTILITIES	Oil Propane	\$ \$	0.94 0.40	25,585	26,327	27,090	11,862	12 206	12,560	- 12,924	- 13,299	13,685	14,082
5	Wood	\$ \$	0.40	-	-	-	11,862	12,206	12,500	12,924	15,299	13,063	14,062
	Electricity	\$	_	-	-	_	-	-	_	-	_	-	_
	Other	\$	-	-	-	-	-	-	-	-	-	-	-
	Cooking Fuel	\$	-	-	-	-	-	-	-	-	-	-	-
	SUBTO	TAL		54,163	55,734	57,350	43,000	44,247	45,530	46,850	48,209	49,607	51,046
	Cleaning	\$	2.00	54,435	56,014	57,639	59,310	61,030	62,800	64,621	66,495	68,423	70,408
CES	Repairs	\$	0.20	5,444	5,601	5,764	5,931	6,103	6,280	6,462	6,650	6,842	7,041
HUMAN	Productivity Loss		0.90%	9,186	9,452	9,726	10,009	10,299	10,597	10,905	11,221	11,546	11,881
HUMAN	Bussing	\$	1,600	164,640	169,415	174,328	179,383	184,585	189,938	195,446	201,114	206,947	212,948
~	SUBTO	ΤΔΙ		233,705	240,482	247,456	254,633	262,017	269,616	277,434	285,480	293,759	302,278
	Principal	,,,,_	5.00%	160,856	160,856	160,856	160,856	160,856	160,856	160,856	160,856	160,856	160,856
S	Interest		1.67%	51,040	48,353	45,667	42,981	40,294	37,608	34,922	32,236	29,549	26,863
PROPERTY & FINANCE				-	-	-	-	-	-	-	-	-	-
8													
<u></u>	Tax Income			-	-	-	-	-	-	-	-	-	-
E	Building Aid Reimburs	ement		304,970	-	-	-	-	-	-	-	-	-
PRC	SUBTO	TA1		(02.074)	200 200	206 522	-	201 151	100 464	105 770	102.002	100 405	107 710
	30810	IIAL		(93,074)	209,209	206,523	203,837	201,151	198,464	195,778	193,092	190,405	187,719
			TOTAL	194,795	505,426	511,330	501,469	507,414	513,610	520,063	526,781	533,771	541,043
											G	RAND TOTAL	\$ 4,855,701
				Bond Amt: Bond Term: Bond Rate:	\$ 3,217,122 20 1.67% **		Building Size: Inflation: Value Exist:	26,451 2.90% *		Total Project Cost State Aid Rate: State Building Aid		\$ 4,437,000 55% N \$1,524,848 *	Nominal

^{*} Inflation based on current RS Means Historic Cost Index

^{***} Limited by Previous Additions

 $[\]ensuremath{^{**}}$ Band Rate is last reported sale by the NH Municipal Bond Bank.

Mt Ceasar Elementary

Project Cost Worksheet

Student Capacity	550
------------------	-----

1.	Site Development Costs				\$400,000			
	Land Acquisition							
	Playfields	1	Field					
	Paving	100	Spaces	\$100,000				
	Site Prep & Utilities			\$300,000				
2.	General Construction - New				\$7,344,000			
	New Constuction	35,357 s.f.	\$ 182 per s.f.	. \$6,435,000	, , , , , , , , , , , ,			
	Renovation	•	. ,	\$265,000				
	Construction Contingency	5.00%		\$322,000				
	Construction Manager Fee	5.00%		\$322,000				
	•							
•	5 . 5				* 222.222			
3.	Design Fees	0.000/		#00.000	\$360,000			
	Civil Engineering	6.00%		\$20,000				
	A&E New Construction	5.00%		\$320,000				
	A&E Renovation	7.00%		\$20,000				
4.	Furniture, Equipment and Serv	/ices			\$700,000			
	Loose Equipment	5.00%		\$370,000				
	Phone Service	1.00%		\$70,000				
	Computers	2.00%		\$150,000				
	Utility Charges	1.50%		\$110,000				
5.	Administrative Costs				\$120,000			
	Testing	0.25%		\$20,000				
	Survey, Borings	0.25%		\$20,000				
	Clerk of the Works	0.75%		\$60,000				
	Bonding/Legal	0.30%		\$20,000				
6.	Design Contingency	5%			\$400,000			

Total Project Cost

\$9,324,000

(Note: all numbers rounded to nearest \$10,000)

Table G

Barker Architects, Inc. 9/22/2020

Mt Ceasar Elementary			Bond Cost Workshee				
Student Capacity	550	Core Capacity	650				
Square Foot Allowance							
State Allowable Formula Previous < 35 y.o.	120	square feet / student =	78,000	based on core capacity			
Original Schools 1st Additions Early Cutler Additions	1900, 1950 1950's			Older than 35 years Older than 35 years Older than 35 years			
Mt Ceasar Additions Mt Ceasar Additions Cutler Gym Pre-School	1987 2000 1990's		4,733 11,382	Older than 35 years			
Allowable Size		Total to Deduct	16,115 61,885				
Construction Cost Allowance							
State Allowable Formula Site and Soft Cost	\$ 182	per square foot =	\$11,263,070 \$1,980,000				
Allowable Cost			\$13,243,070				
Reimbursement							
Renovation Thresholds		Replacement Value 25% Renovation Min. 60% Renovation Max.	\$ 7,004,816 \$ 1,751,204 \$ 4,202,890				
State Aid	55% 80% 20%		= \$5,128,200 \$4,102,560 \$1,025,640	\$ 9,324,000			
		Total Proj	\$9,324,000				
		Total S	State Aid	\$5,128,200			
		Total Bond	\$5,221,440				

Barker Architects, PLLC 11/30/2020

Mt C	aesar Element	ary			l0 - Town	Schools	5				Life-C	ycle Cost	Analysis
	Student Capacity	Ra	550 tes/sf	Year									
	Task		•	1	2	3	4	5	6	7	8	9	10
	Division 0			-	-	-	-	-	-	-	-	-	-
	Division 1			-	-	-	-	-	-	-	-	-	-
	Division 2			-	-	-	-	-	-	-	-	-	-
	Division 3			-	-	-	-	-	-	-	-	-	-
	Division 4			-	-	-	-	-	-	-	-	-	-
	Division 5			-	-	-	-	-	-	-	-	-	-
SO	Division 6			-	-	-	-	-	-	-	-	-	-
ä	Division 7			-	-	-	-	-	-	-	-	-	-
BUILDING NEEDS	Division 8			-	-	-	-	-	-	-	-	-	-
₫	Division 9 Division 10			-	-	-	-	-	-	-	-	-	-
ਜ਼	Division 11			-	-	-	-	-	-	-	-	-	-
_	Division 12												
	Division 13			_	_	_			_			_	
	Division 14			_	_	-	_	_	_	_	_	_	-
	Division 15			_	-	-	_	-	_	_	-	_	-
	Division 16			_	-		-	-	-	_	_	_	_
	SUBTO	TAL		-	-	-	-	-	-	-	-	-	-
	Water	\$	0.20	15,197	15,638	16,092	16,558	17,038	17,533	18,041	18,564	19,103	19,657
	Electricity	\$	-	-	-	-	-	-	-	-	-	-	-
	Grid	\$	0.75	56,990	58,643	60,343	62,093	63,894	65,747	67,654	69,616	71,635	73,712
S	On-Site	-		-	-	-	-	-	-	-	-	-	-
	Heating Fuel	\$	-	-	-	-	-	-	-	-	-	-	-
UTILITIES	Oil	\$	-	-	-	-	-	-	-	-	-	-	-
E	Propane	\$	0.39	29,635	30,494	31,379	32,289	33,225	34,188	35,180	36,200	37,250	38,330
	Wood	\$	-	-	-	-	-	-	-	-	-	-	-
	Electricity	\$	-	-	-	-	-	-	-	-	-	-	-
	Other	\$	-	-	-	-	-	-	-	-	-	-	-
	Cooking Fuel	\$	-	-	-	-	-	-	-	-	-	-	-
	SUBTO		4.50	101,822	104,775	107,814	110,940	114,158	117,468	120,875	124,380	127,987	131,699
S	Cleaning	\$ \$	1.50	113,980	117,286	120,687	124,187	127,788	131,494	135,308	139,231	143,269	147,424
Z S	Repairs Productivity Loss	\$	0.15 0.80%	11,398 22,796	11,729 23,457	12,069 24,137	12,419 24,837	12,779 25,558	13,149 26,299	13,531 27,062	13,923 27,846	14,327 28,654	14,742 29,485
HUMAN	Bussing/Student	\$	1,600	905,520	931,780	958,802	986,607	1,015,219	1,044,660	1,074,955	1,106,129	1,138,206	1,171,214
HUMAN	bussing/student	۶	1,000	903,320	-	530,002	380,007	1,013,219	1,044,000	1,074,933	1,100,129	1,138,200	1,1/1,214
- 42	SUBTO	TAL		1,053,694	1,084,251	1,115,695	1,148,050	1,181,343	1,215,602	1,250,855	1,287,130	1,324,456	1,362,866
	Principal	.,,_	5.00%		261,072	261,072	261,072	261,072	261,072	261,072	261,072	261,072	261,072
Ş	Interest		1.67%		78,478	74,118	69,758	65,399	61,039	56,679	52,319	47,959	43,599
₹				-	-	-	-	-	-	-	-	-	-
~													
Ě	Tax Income		2.40%	24,696	25,412	26,149	26,907	27,688	28,491	29,317	30,167	31,042	31,942
E	Building Aid Reimburse	ement		1,025,640									
PROPERTY & FINANCE				-	-	-	-	-	-	-	-	-	-
₫.	SUBTO [*]	TAL		(706,426)	314,138	309,041	303,923	298,783	293,620	288,434	283,224	277,989	272,729
			TOT41	440.004	4 500 465	4 522 550	4 562 042	4 504 304	4 626 600	4 660 463	4 604 700	4 700 400	4 767 202
			TOTAL	449,091	1,503,165	1,532,550	1,562,913	1,594,284	1,626,690	1,660,163	1,694,733	1,730,432	1,767,293
											(GRAND TOTAL	\$ 15,121,315
				Dand Amt	Ć E 221 440		Duilding Ci	72.045		Total Drain-+ C	act.	¢ 0 224 000	
				Bond Amt: Bond Term:	\$ 5,221,440 20		Building Size: Inflation:	73,845 2.90%	*	Total Project C State Aid Rate:		\$ 9,324,000	Nominal
				Bond Rate:	1.67%	**	Value Exist:	\$ 1,000,000		State Building		\$5,128,200	Nonnina
				Sona Nate.	1.07/0		· uiuc LAISt.	y 1,000,000		State Dununing		Y3,120,200	

^{*} Inflation based on current RS Means Historic Cost Index

Table I

 $[\]ensuremath{^{**}}$ Band Rate is last reported sale by the NH Municipal Bond Bank.

Troy Elementary School

Project Cost Worksheet

Student Capacity 200

1.	Site Development Costs				\$200,000
	Land Acquisition				
	Playfields	1	Field		
	Paving	100	Spaces		
	Site Prep & Utilities			\$200,000	
2.	General Construction - New				\$4,838,000
	New Constuction	6,364 s.f.	\$ 182 per s.f.	\$1,158,000	
	Renovation		•	\$3,564,000	
	Construction Contingency	5.00%		\$58,000	
	Construction Manager Fee	5.00%		\$58,000	
	Ç				
3.	Design Fees				\$320,000
	Civil Engineering	6.00%		\$10,000	, ,
	A&E New Construction	5.00%		\$60,000	
	A&E Renovation	7.00%		\$250,000	
4.	Furniture, Equipment and Serv	ices			\$460,000
	Loose Equipment	5.00%		\$240,000	
	Phone Service	1.00%		\$50,000	
	Computers	2.00%		\$100,000	
	Utility Charges	1.50%		\$70,000	
5.	Administrative Costs				\$80,000
	Testing	0.25%		\$10,000	
	Survey, Borings	0.25%		\$10,000	
	Clerk of the Works	0.75%		\$40,000	
	Bonding/Legal	0.30%		\$20,000	
6.	Design Contingency	5%			\$300,000

Total Project Cost

\$6,198,000

(Note: all numbers rounded to nearest \$10,000)

Table G

Barker Architects, Inc.

11/30/2020

Troy Elementary School

Bond Cost Worksheet

Student Capacity 200 Core Capacity 248

Square Foot Allowance

State Allowable Formula 144 square feet / student : 35,712 based on core capacity

Previous < 50 y.o.

All Troy additions over 50 years old

Total to Deduct -

Allowable Size 35,712

Construction Cost Allowance

State Allowable Formula \$ 182 per square foot = \$6,499,584

Site and Soft Cost \$1,360,000

Allowable Cost 7,859,584

Reimbursement

Renovation Thresholds Replacement Value \$ 4,029,208

25% Renovation Min. \$ 1,007,302 60% Renovation Max. \$ 2,417,525

State Aid Allowed Project Cost = \$ 6,198,000

55% State Aid Rate \$3,408,900 80% At Start \$2,727,120 20% At Completion \$681,780

Total Project Cost \$6,198,000

Total State Aid \$3,408,900

Total Bond Amount \$3,470,880

Table H

Barker Architects, PLLC 11/30/2020

Troy	Elementary Student Capacity		200	Option 1	.0 - Town S	chools	;				Life-Cy	cle Cost	Analysis
	Student Capacity	Ra	tes/sf	Year									
	Task		,	1	2	3	4	5	6	7	8	9	10
	Division 0			-	-	-	-	-	-	-	-	-	-
	Division 1			-	-	-	-	-	-	-	-	-	-
	Division 2			-	-	-	-	-	-	-	-	-	-
	Division 3			-	-	-	-	-	-	-	-	-	-
	Division 4			-	-	-	-	-	-	-	-	-	-
	Division 5			-	-	-	-	-	-	-	-	-	-
S	Division 6			-	-	-	-	-	-	-	-	-	-
BUILDING NEEDS	Division 7			-	-	-	-	-	-	-	-	-	-
2 5	Division 8			-	-	-	-	-	-	-	-	-	-
Ž	Division 9			-	-	-	-	-	-	-	-	-	-
블	Division 10			-	-	-	-	-	-	-	-	-	-
표	Division 11			-	-	-	-	-	-	-	-	-	-
	Division 12			-	-	-	-	-	-	-	-	-	-
	Division 13			-	-	-	-	-	-	-	-	-	-
	Division 14			-	-	-	-	-	-	-	-	-	-
	Division 15			-	-	-	-	-	-	-	-	-	-
	Division 16			-	-	-	-	-	-	-	-	-	-
	SUBTOTA	AL		-	-	-	-	-	-	-	-	-	-
	Water	\$	0.20	6,989	7,192	7,401	7,615	7,836	8,063	8,297	8,538	8,785	9,040
	Electricity	\$	-	-	-	-	-	-	-	-	-	-	-
	Grid	\$	0.75	26,210	26,970	27,753	28,557	29,386	30,238	31,115	32,017	32,945	33,901
UTILLTIES	On-Site	-		-	-	-	-	-	-	-	-	-	-
	Heating Fuel	\$	-	-	-	-	-	-	-	-	-	-	-
	Oil	\$	-	-	-	-	-	-	-	-	-	-	-
를	Propane	\$	0.39	13,629	14,025	14,431	14,850	15,280	15,724	16,180	16,649	17,132	17,628
	Wood	\$	-	-	-	-	-	-	-	-	-	-	-
	Electricity	\$	-	-	-	-	-	-	-	-	-	-	-
	Other	\$	-	-	-	-	-	-	-	-	-	-	-
	Cooking Fuel	\$	-	-	-	-	-	-	-	-	-	-	-
	SUBTOTA			46,829	48,187	49,584	51,022	52,502	54,025	55,591	57,204	58,862	60,569
	Cleaning	\$		69,894	71,921	74,007	76,153	78,361	80,634	82,972	85,378	87,854	90,402
HUMAN	Repairs	\$	0.20	6,989	7,192	7,401	7,615	7,836	8,063	8,297	8,538	8,785	9,040
A N	Productivity Loss		0.90%	11,795	12,137	12,489	12,851	13,223	13,607	14,002	14,408	14,825	15,255
⊋ S	Bussing	\$	1,400	288,120	296,475	305,073	313,920	323,024	332,392	342,031	351,950	362,157	372,659
- #				-	-	-	-	-	-	-	-	-	-
	SUBTOTA	AL		376,798	387,725	398,969	410,539	422,445	434,696	447,302	460,274	473,622	487,357
삥	Principal		5.00%	173,544	173,544	173,544	173,544	173,544	173,544	173,544	173,544	173,544	173,544
Ž	Interest		1.67%	55,066	52,167	49,269	46,371	43,473	40,575	37,676	34,778	31,880	28,982
Z				-	-	-	-	-	-	-	-	-	-
∞8													
Ě	Tax Income		2.40%	-	-	-	-	-	-	-	-	-	-
8	Building Aid Reimburser	ment		701,552	-	-	-	-	-	-	-	-	-
PROPERTY & FINANCE				-	-	-	-	-	-	-	-	-	-
-	SUBTOTA	AL		(472,942)	225,711	222,813	219,915	217,017	214,119	211,220	208,322	205,424	202,526
			TOT::	(40.25=)	664.634	674.067	604 477	504.05	702.022	74444	725 005	727.000	750.453
			TOTAL	(49,315)	661,624	671,367	681,477	691,964	702,839	714,114	725,800	737,908	750,452
												24ND TOTAL	¢ 6 390 330
											GI	KAND IUTAL	\$ 6,288,229
				Bond Amt	\$ 3,470,880		Duilding Cias:	22.062	-	Fotal Project C-	ct.	¢ 6 100 000	
				Bond Amt: Bond Term:	\$ 3,470,880		Building Size: Inflation:	33,962 2.90% *		Fotal Project Co State Aid Rate:	sı.	\$ 6,198,000	Nominal
				Dona Terri.	20		minauon.	2.90%	3	rate Aiu Rate:	: a.	55%	NOTHING

^{1.67% **} * Inflation based on current RS Means Historic Cost Index

Bond Rate:

Value Exist: \$

Table I

\$3,408,900

State Building Aid:

 $[\]ensuremath{^{**}}$ Band Rate is last reported sale by the NH Municipal Bond Bank.