

ELECTIONCamrose Schools Value Scoping

Group2

Architecture Interior Design

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AcknowledgmentsBattle River School Division Camrose Group2 Architecture Interior Design Ltd.



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1.0 Executive Summary

Tours of all Battle River School Division's schools were completed in August of 2021 with the exception of the new Chester Ronning Replacement School which was under construction at the time. The tours were the basis of the Ten and Three Year Facility Plans developed by Group2 Architecture Interior Design Ltd.

It was suggested in the Ten-Year Facility Plan that Camrose Composite High School was not in need of immediate attention.

It was recommended in the Ten-Year Facility Plan that a further study be done of schools in the City of Camrose as their needs are intermingled. A study was completed in July 2024 recommending a Value Scoping Session to review the capital needs of K-8 school facilities in Camrose.

A Value Scoping Session for all Camrose Schools, with the exception of Camrose Composite High School and Chester Ronning School was conducted in Camrose January 8th and 9th, 2025 and included 22 participants from the school jurisdiction including school council, 2 representatives from the city, 4 representatives from the Government of Alberta and 7 consultants.

The objective of the Value Scoping Session was to explore all viable options for the accommodation of Camrose students in grades K-8 while addressing the many aging building components as well as functional upgrades to meet program requirements and 21st century teaching and learning styles.

The schools included in the Value Scoping Session were Charlie Killam School, Jack Stuart School, Sifton School and Sparling School. All of these schools are aging schools ranging in age from 42 years to 95 years. Consequently, these school facilities have building components that will require replacement in the near future. For the most part, they are not barrier free and should they undergo a modernization, they would not conform to current building code requirements. With the exception of Jack Stuart School and Sifton School, the front entrances of the other two schools do not allow for visibility of the school's main entrance by the administration staff, which is a safety concern for students and staff.

The schools built between 1930 and 1983, were designed in different eras and are not functional for accommodating 21st century teaching and learning styles.

Charlie Killam School, Jack Stuart School, Sifton School and Sparling School all have relatively high utilizations and enrollments that are not anticipated to decrease significantly in the future. Charlie Killam School has an adjusted enrollment for 2023/2024 of 526 students and is 86% utilized. Jack Stuart School has an adjusted enrollments for 2023/2024 of 320.5 students and is 82% utilized. Sifton School has an adjusted enrollments for 2023/2024 of 307.5 students and is 74% utilized. Sparling School has an adjusted enrollments for 2023/2024 of 236 students and is 99% utilized.

In the 2016 Census of Population conducted by Statistics Canada, the City of Camrose recorded a +8.4% change in population from its 2011 Census of Population. In the 2021 Census of Population, the City of Camrose had a change of + 0.2% from its 2016 population.

In 2022, residential growth was up \$26 million from \$11.6 million in 2021, and development permits were up from 360 to 385.

The school jurisdiction's enrollment projections align with this trend and are anticipated to remain steady and likely see some growth.

During the two-day session, participants worked through a facilitated process to discuss, formulate and identify options for the modernizations and/or replacements of the four schools.

The developed options were individually costed and compared to new replacement schools of the same grade configurations and capacities and then assessed according to the school jurisdiction's need, the criteria developed in the session, provincial criteria for high priority projects and school capital requirements for project approvability.

The information and discussions generated by this Value Scoping Session are intended to assist Battle River School Division in the development of its capital plan for 2025/2026 to 2027/2028.

2.0 Workshop Process

2.1 Value Scoping Session

A Value Scoping Session involves a number of phases that the Value Scoping participants work through:

The pre-workshop phase, involves the preparation and information gathering, including the physical tour of the existing buildings to determine the physical condition and functional challenges of the buildings, identify program requirements, code issues, site opportunities and review current and trending demographics.

The workshop phase is a facilitated, two-day session that includes context setting, functional analysis, identification of principles and the criteria for the evaluation of options, as well as, a creative brainstorming exercise for the development of potential options. Block schematic drawings and cost estimates are developed for each option, followed by an evaluation phase to identify the best option for achieving value for money and optimal program delivery for students.

The post-workshop phase involves the compilation of a final report for review by the government and the school board.

Participants in the Value Scoping Session include representatives of the school jurisdiction and stakeholders as identified by the school jurisdiction and may include; school trustees, jurisdiction administrators, school staff, students, parents, municipal officials, community partners as well as representatives from Alberta Education and Alberta Infrastructure and a team of professional consultants representing the school jurisdiction; facilitator, registered architect, educational planner, cost-consultant, recording assistant and a writer.

3.0 Background Information

Charlie Killam School		
Location	Camrose	
Grades	6-8	
Net Capacity	609	
Adjusted Enrollment	526	
Utilization	86%	
Modulars / Portable	6	

- Charlie Killam School accommodates students in grades 6-8.
- This 95 year old school was originally built in 1930 with several additions between 1941 and 2003, however; it is extremely dated, reflecting design features of previous eras of teaching and student learning styles.
- The aging building components are nearing the end of their life cycles, particularly architectural finishes and mechanical and electrical systems.
- The school washrooms and change rooms are not all accessible. Floors are at different elevations, connected by steep ramps, that would not meet current building code. The stage, the raised library platform, and upper admin areas, are also not accessible.
- The administration area is very small and dated with no visibility of the front entrance which is a safety concern for students.
- Overall, the school is very dated throughout.
- Although the school is over area it is short in the flexible spaces that allow for any multipurpose space for 21st century learning which requires learning spaces to be flexible and
 adaptable to allow for interactive learning (examples are movable walls and maker spaces).
 Consequently, the school's dated functionality needs to be upgraded to deliver the
 required programming and enhance teaching and learning opportunities.

Jack Stuart School	
Location	Camrose
Grades	K-5
Net Capacity	391
Adjusted Enrollment	320.5
Utilization	82%
Modulars / Portables	4

- This 42 year old school although it is the newest of the elementary schools, with the exception of Chester Ronning School, is extremely dated and reflects design features of previous era of teaching and student learning styles.
- The aging building components are nearing the end of their life cycles, particularly the mechanical and electrical systems.
- The school washrooms and change rooms are not all accessible.
- Overall the school's dated functionality needs to be upgraded to deliver the required programming and enhance teaching and learning opportunities.
- There is minimal ancillary and flex space which does not allow for any multi-purpose space for 21st century learning which requires learning spaces to be flexible and adaptable to allow for interactive learning (examples are movable walls and maker spaces).

Sifton School	
Location	Camrose
Grades	K-5
Net Capacity	417
Adjusted Enrollment	307.5
Utilization	74%
Modulars	2

- This 72-year-old school has had two modernizations/additions over the years, however; the latest was 58 years ago in 1967. The school is dated and reflects design features of a previous era of teaching and student learning styles. The school was originally built as a county school.
- The aging building components are nearing the end of their life cycles, particularly architectural finishes and the mechanical and electrical systems.
- The administration area is very small.
- The school washrooms and change rooms are not accessible. While a lift has been
 provided, the lack of an elevator to the second floor inhibits accessibility and inclusivity for
 students of all needs.
- Overall the school's dated functionality needs to be upgraded to deliver the required programming and enhance teaching and learning opportunities.
- There is minimal ancillary and flex space which does not allow for any multi-purpose space for 21st century learning which requires learning spaces to be flexible and adaptable to allow for interactive learning (examples are movable walls and maker space).

Sparling School	
Location	Camrose
Grades	K-5
Net Capacity	239
Adjusted Enrollment	236
Utilization	99%
Modulars	2

- This 70-year-old school has had two modernizations over the years the latest being 58 years ago in 1967. The school is very dated and reflects design features of a previous era of teaching and student learning styles.
- The aging building components are nearing the end of their life cycles, particularly architectural finishes and mechanical and electrical systems.
- The administration area is very small and there is no visibility of the front entrance of the school which is a security concern.
- The school washrooms and change rooms are not accessible.
- Overall the school's dated functionality needs to be upgraded to deliver the required programming and enhance teaching and learning opportunities.

4.0 List of Participants

4.1 Battle River School Division

Participant	Title	Organization	
Patrick McFeely	Board Chair, Trustee	City of Camrose	
Lyle Albrecht Trustee		Beaver County	
Doug Algar	Board Vice-Chair, Trustee	City of Camrose	
Karen Belich	Trustee	Camrose County	
Rhae-Ann Holoien	Superintendent	Battle River School Division	
Imogene Walsh	Secretary Treasurer	Battle River School Division	
Brian Hogg	Director - Facilities	Battle River School Division	
Todd Sieben	Principal, Jack Stuart School	Battle River School Division	
Reid Lansing	Principal, Chester Ronning School	Battle River School Division	
Andrea Gutmann Principal, Ecole Charlie Killam School		Battle River School Division	
Kathleen McLennan Principal, Ecole Sifton School		Battle River School Division	
Jonathon Skinner Principal, Sparling School		Battle River School Division	
Shane Gau Principal, Ecole Camrose Composite High School		Battle River School Division	
Graeme Thain	Graeme Thain Teacher, Ecole Camrose Composite High School		
Julie Mitchell	Teacher, Jack Stuart School	Battle River School Division	
Daylan Wizniuk	Teacher, Ecole Charlie Killam School	Battle River School Division	
Jessica Veale	Teacher, Sparling School	Battle River School Division	
Jennifer Rostad Teacher, Ecole Sifton School		Battle River School Division	
Lindsay Doering	Lindsay Doering Teacher, Chester Ronning School		
Pamela Boyson	Pamela Boyson Parent Council Representative		
Trina McCarroll Ecole Charlie Killam School Parent Council Representative		Battle River School Division	

Participant	Participant Title		
Dawsyn Calhoon	Ecole Camrose Composite High School Student Council Representative Battle River School Division (Wednesday PM only)		
Justus Sveinbjornson	Ecole Camrose Composite High School Student Council Representative		
PJ Stasko Mayor		City of Camrose (Thursday only)	
Malcolm Boyd	Im Boyd City Manager City of Camrose (Thursday only)		

4.2 Government Representatives

Participant Title Organization		Organization
Alison Matichuk	Manager	Alberta Education
Kenneth Wong	Facilities Technologist Alberta Infrastructure	
Mark Yanez	Capital Planning Project Analyst	Alberta Education
Terri - Lynn Mundorf	lundorf Field Services Manager Alberta Education	

4.3 Consultant Team

Participant	Organization	
Chris Baker	Value Management Inc. (VMI)	
Carroll Clarke	Value Management Inc. (VMI)	
Kelly Parker	Tech Cost Consultants Ltd. (Tech Cost)	
Olga Aquilar	Tech Cost Consultants Ltd. (Tech Cost)	
Doug Ramsey	Group2 Architecture Interior Design Ltd. (Group2)	
Charlene Karl	Group2 Architecture Interior Design Ltd. (Group2)	
Laurel Udell	Educational Planner	

5.0 Summary of the Process

The objective of the Camrose Schools Value Scoping Session was to develop a detailed scope definition and order of magnitude cost estimate for the preferred option(s) to form a school capital request for the modernization and/or replacement of four schools: Charlie Killam School, Jack Stuart School, Sifton School and Sparling School. The option(s) will identify both the capital costs and net present value of future operating costs of the preferred option(s). The focus of the session was on modernizing the four existing schools; however, a new replacement school building for each facility was used as the comparator.

The final report will be available to Battle River School Division to use in preparing its Capital Plan Submission. Value Scoping Sessions demonstrate that school jurisdictions have done their homework, and the projects developed represent well thought out plans that provide value for money, justify the need and confirm the proposed project is the best of those considered, meeting the needs of the school jurisdiction, students and the community.

Agenda

Tuesday, January 7, 2025 Schools Tour by Consultant Team and School Jurisdiction Representatives

Day One

Wednesday, January 8, 2025

Workshop Introduction

- Welcome & Land Acknowledgement
- Meeting protocol and overview of the process
- Introduction of participants
- Workshop objectives
- Alberta Education and Alberta Infrastructure project objectives
- Identification of individual participant's project objectives

Planning Discussion

- Common criteria discussion
- Planning benchmarks including enrollment growth, demographics, programming requirements, unique project requirements
- Discussion of school tour including positive features and deficiencies, program restraints, site considerations, etc.
- Modernization/Replacement Considerations

Brainstorming Session

- Area comparator charts and site reviews (See pages 20 23)
- 'Art of the Possible'
- Reviews of brainstorming session outcomes
- Development of group planning scenarios
- Presentation back to entire group

Review of Next Day's Tasks

Day Two

Thursday, January 9, 2025

- Review of the options
- Presentation of the Cost Benefit Analysis
- Presentation of architectural interpretation of the options
- Discussion of advantages, disadvantages and risks of the options
- K-9 School Discussion

Next Steps

 Preparation and review of final report as the basis for the Capital Request Submission

5.1 School Board's Project Objectives

The School Board Chair was given the opportunity to briefly outline the school jurisdiction's objectives and vision for the project. In summary:

- The value scoping exercise is designed to collaboratively help plan and prioritize the school board's future capital projects and solutions to address current and future need.
- The value scoping session will assist in gathering stakeholder insight and information.
- Government identifies value scoping exercise as a pre-planning funding activity to strategize Capital needs, explore practical options and ensure any projects are ready to move forward immediately (shovel ready).

5.2 Government of Alberta Workshop Objectives Summary - Alberta Education

- Capital plans are typically submitted by school boards on April 1 of each given year.
- Alberta Education's task is to analyze and evaluate each school board's capital plans and create a provincial capital plan that goes to Alberta Treasury.
 - It is a very competitive process as the 300 to 400 requests far out number the available funding.
 - Each step of the process whittles down the requests until it is refined to about 40 projects from across the province.
- School boards must ensure their requests are "watertight and defensible." They should ask themselves 3 questions:

1. Is there a need?

- Enrollment
- Facility conditions

2. Is this the best way to meet the needs?

- Is it best for student? Facts must support the project.
- The proposal must provide evidence of considered options, risks and enrollment.
- Is it affordable?
- Does it solve the problem for more than one school?

3. Is the project ready to proceed?

- The project must be ready to go start tomorrow if it was approved today. Otherwise it could cause a delay and delays and inflation are expensive and mean tough choices when the budget isn't sufficient.
- Does the modernization have a plan for decanting?
- Is the municipality on board?
- Alberta Education makes recommendations not decisions and must answer any questions for Treasury Board's Business Cases. This is a rigorous process and therefore projects must be rock solid.
- The value scoping process provides a comprehensive report that demonstrates that the proposed project is the best solution.

5.3 Alberta Infrastructure

- Alberta Infrastructure supports Alberta Education in reviewing capital plans.
- Projects must demonstrate:
 - 1. Functionality
 - 2. Sustainability
 - 3. Flexibility
 - 4. Affordability
 - 5. Accessibility
- The lowest cost does not always support the best solution.
- All major modernizations and replacement schools must meet LEED Silver.
- Projects must optimize life cycles and building efficiency.
- Projects must support the flexibility to change.
- It is crucial to develop an economical solution not necessarily the cheapest solution. It must provide the best value for the Province, not just in construction costs but also in life cycle costs.
- Projects must consider accessibility, barrier-free access, inclusiveness, genders, religion and culture.
- Solutions should favour simple designs that meet and promote educational pedagogy.

5.4 Summary of Planning Discussion

- To provide context for the brainstorming exercise and discussion, the team participated in a brief review of and discussion on the benchmarks typically used in the capital planning process:
 - Current demographics, and enrollment trends and projections are used to establish the required capacity for a new replacement school or modernization/ addition project.
 - Alberta Education's current Adjusted Enrollments are based on the annual September 30th head counts adjusted to reflect the number of severely coded students. School utilization rates are considered in developing options for new replacement schools and modernizations and for potential rightsizing and consolidation opportunities.
 - Area comparators are the comparison of the existing school area to that of an
 equivalent new school based on Alberta Education's guidelines, they are used to
 assess space deficiencies and requirements in an existing school, as well as, assist
 in developing the framework for the scope of a modernization and/or addition
 project.
 - Unique project requirements are also used to assist in the development of project scope.

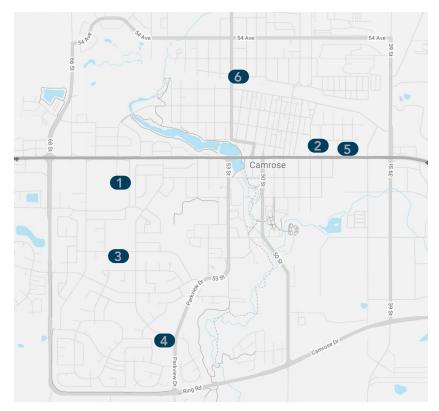
- The criteria used for establishing and demonstrating provincial capital project priorities and approvals are:
 - Health and safety
 - Building condition
 - Enrollment growth
 - Utilization rates
 - Programming requirements
 - Legal Rights.
- Additional information including opportunities for partnership/collaborations between one
 or more school jurisdictions and/or other partners, as well as supplementary information
 such as studies and delivery capacity.
- The province requires school jurisdictions to demonstrate that they have considered all options for accommodating students.
- Demographics may support a solution for an entire community as more cost efficient.
- The comparator, a "new replacement" school option, may come into play when the modernization of a school is 75% or more of the cost of building new.
- Construction of modernization projects typically take about 2-2 ½ years to complete where a new school or replacement school usually takes 18 months.
- The government does not provide funding for the decanting of students during a modernization project. The consultant and school administration staff must phase construction to provide minimal disruption to programming and students.

5.5 Summary of School Tours

There are many challenges with the existing facilities:

- All four schools are aging and require modernizations to meet building code, address building condition, replace building components and systems as well as meeting programming requirements and functionality.
- With today's energy and building code requirements, a new building envelope is required in all four of the schools, should they undergo a modernization. Insulation and cladding would need to be added.
- All four schools are not accessible.
- Two of the four schools have front entrances that are a security concern as there is no visibility to monitor who is entering the school.
- All four of the schools are dated and not functional for delivering today's educational programming and do not allow for 21 st century teaching and learning styles that require some flexible spaces which can adapt to different learning situations and activities.

- Any potential project(s) would likely not be complete until at least 2028 and components will be older yet.
- The city developed over the years with three schools on the north side of the city; Sparling School, Charlie Killam School and Sifton School and three in the southern side of the city; Camrose Composite High School, Chester Ronning Replacement School and Jack Stuart School.
- Today, most of the city's expansion is in the south which is where a new school would likely be built should it be required.



- Camrose Composite High School
- 2. Charlie Killam School
- 3. Chester Ronning School
- 4. Jack Stuart School
- 5. Sifton School
- 6. Sparling School
- How do we handle schools today and situate ourselves for the future?
 - We look at facilities from a building code perspective because codes have changed significantly over the years.
 - The four schools we are looking at are all well over 25 years of age and in fact any modernizations that have been done are over 25 years ago. The mechanical and electrical systems and other building components are considered to have reached their life cycle at 25 years and require replacement.
 - Battle River School Division's schools are well maintained but pedagogy has changed and these schools struggle to deliver modern programming and teaching and learning styles. How do we modify them to allow for today's pedagogy?

BEST FEATURES

Charlie Killam School

- Finishes are well maintained.
- The school is sprinklered which provides a number of options revisions of the floor plan.
- The enclosed courtyard is used as student gathering space, lunch program area and physical activity.
- There is room on the site to accommodate a replacement school.
- Clean and well maintained.

Sifton School

- New modulars
- Clean and well maintained.
- Room on site for a replacement school.
- Admin office location.

Jack Stuart School

- Clean and well maintained.
- Admin office location.

Sparling School

- Two modulars, with the most recent added in 2022.
- Clean and well maintained.
- Room on site for replacement school.

CHALLENGES

Charlie Killam School

- The Desco wall finish contains hazardous materials and requires mitigation if a wall is modified or removed.
- The school is over area with no CTS space.
- Accessibility is an issue but also there are barriers for sound and sight.
- If the school were to be modernized, Building Code requirements would trigger a major modernization. Both mechanical systems and the building envelope (the cladding and windows) are required to meet updated energy efficiencies and this is very expensive.

Jack Stuart School

- Most of the site belongs to the city. The site would have to be negotiated in order to accommodate a replacement school. It would not be shovel ready.
- Mechanical system is 41 years old.
- If the school were to be modernized, Building Code requirements would trigger a major modernization. Both mechanical systems and the building envelope (the cladding and windows) are required to meet updated energy efficiencies and this is very expensive.
- No accessible washrooms.
- Gymnasium requires asbestos mitigation.
- The library is over-sized.

Sifton School

- If the school were to be modernized, Building Code requirements would trigger a major modernization. Both mechanical systems and the building envelope (the cladding and windows) are required to meet updated energy efficiencies and this is very expensive.
- How do you integrate an elevator to meet accessibility requirements and ensure inclusivity?
- School is not sprinklered.
 Sprinklers reduce insurance costs and opens up options for modernization of the school to meet modern pedagogy.
- Gymnasium requires asbestos mitigation.
- The library is over-sized.

Sparling School

- If the school were to be modernized, Building Code requirements would trigger a major modernization. Both mechanical systems and the building envelope (the cladding and windows) are required to meet updated energy efficiencies and this is very expensive.
- Small site which would make accommodating a new replacement school a challenge.

5.6 Area Comparator Chart

CHARLIE KILLAM SCHOOL

GRADES 6-8

5 to 9 SCHOOL - Core So	chool C	Capital	Manual	m2
Student Capacity	625			
Instructional Area				
Classrooms	14	@	80	1,120
Science	3	@	120	360
Ancillary	1	@	130	130
Ancillary	3	@	90	270
Info Services	2	@	115	230
Gym				59
Gym Storage				60
Library				24
Subtotal				3,01
Non Instructional Area				
Admin/Staff				30
Wrap-Around Services				30
Mechanical & Meter Rooms				189
Recycle Room (LEED)				1
Phys Ed.				130
Circ.				824
Wall Area				395
Storage				115
Washrooms				74
Accessible Washroom				1:
Flexible Space				148
Wiring Network				40
Subtotal				2275
Required Area				5,286
•	per s	tudent		8.46
CTS Suite	2 (<u> </u>	142	284
Less One Classroom			_	
Area for CTS Suite				284
Required Area				5,28
Total Required				5,570

CHARLIE KILLAM SCHOO	L	m2
Student Capacity	609	
Adjusted Enrol.	548	
Instructional Area		
Classrooms	20	1,316.5
Science	3	261.1
Ancillary	2	367.3
Ancillary	2	581.0
Info Services	Χ	
Gym		598.6
Gym Storage		50.7
Library		406.8
Subtotal		3582.0
Non Instructional Area		
Admin/Staff		233.2
Wrap Around & Collaboration		43.9
Mechanical & Meter Rooms		140.5
Recycle Room (LEED)		
Phys Ed.		86.2
Circ.	(approx)	800.0
Wall Area	(approx)	382.0
Storage/Janitor	(- -	170.4
Washrooms		209.5
Accessible Washroom		7.8
Flexible Space		, .0
Wiring Network		
Subtotal		2073.6
Area		5,655.5
7 ii Gu	per student	10.3
0.770.0.1:		
CTS Suites		
Total CTS		0.0
Area		5,655.5
Total Area		5,656

Capital Manual vs Existing Capital Manual vs Existing			
Instructional Area 196 197 1	Differences		m2
Science -99 Ancillary 237 Ancillary 31° Info Services -230 Gym 4 Gym Storage -5 Library 16° Subtotal 571 Non Instructional Area -4 Admin/Staff -7 Wrap-Around Services 14 Mechanical & Meter Rooms -48 Recycle Room (LEED) -1° Phys Ed. -4 Circ. -2 Wall Area -13 Storage 55 Washrooms 13 Accessible Washroom -4 Flexible Space -148 Wiring Network -4 Subtotal -201 Area Difference -284 Area 370	Student Capacity	Capital Manual vs Existing	
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Admin/Staff -74 Wrap-Around Services 14 Mechanical & Meter Rooms -44 Recycle Room (LEED) -1' Phys Ed42 Circ22 Wall Area -13 Storage 55 Washrooms 136 Accessible Washroom -4 Flexible Space -144 Wiring Network -40 Subtotal -201 Area Difference -284 Area 376	Non Instructional Area		
Wrap-Around Services 14 Mechanical & Meter Rooms -48 Recycle Room (LEED) -1 Phys Ed. -44 Circ. -24 Wall Area -1 Storage 55 Washrooms 136 Accessible Washroom -2 Flexible Space -148 Wiring Network -40 Subtotal -201 Area Difference 370 CTS Suites Difference -284 Area 370			-74
Mechanical & Meter Rooms -48 Recycle Room (LEED) -1° Phys Ed. -4 Circ. -2° Wall Area -13 Storage 55 Washrooms 13 Accessible Washroom -2 Flexible Space -148 Wiring Network -4 Subtotal -201 Area Difference 370 CTS Suites Difference -284			14
Phys Ed. -44 Circ. -24 Wall Area -13 Storage 55 Washrooms 136 Accessible Washroom -4 Flexible Space -14k Wiring Network -4 Subtotal -201 Area Difference 370 CTS Suites Difference -284 Area 370			-48
Phys Ed. -44 Circ. -24 Wall Area -13 Storage 55 Washrooms 136 Accessible Washroom -4 Flexible Space -14k Wiring Network -4 Subtotal -201 Area Difference 370 CTS Suites Difference -284 Area 370	Recycle Room (LEED)		-11
Circ. -24 Wall Area -13 Storage 55 Washrooms 136 Accessible Washroom -4 Flexible Space -148 Wiring Network -4 Subtotal -201 Area Difference 370 CTS Suites Difference -284 Area 370			-44
Storage 55 Washrooms 136 Accessible Washroom Flexible Space -148 Wiring Network 40 Subtotal -201 Area Difference 370 CTS Suites Difference -284 Area 370			-24
Washrooms 136 Accessible Washroom -4 Flexible Space -148 Wiring Network -40 Subtotal -201 Area Difference 370 CTS Suites -284 Area 370	Wall Area		-13
Washrooms 136 Accessible Washroom	Storage		55
Flexible Space			136
-40 -40	Accessible Washroom		-4
Subtotal -201 Area Difference 370 CTS Suites Difference -284 Area 370	Flexible Space		-148
Area Difference 370 CTS Suites Difference -284 Area 370	Wiring Network		-40
CTS Suites Difference -284 Area 370	Subtotal		-201
Difference -284 Area 370	Area Difference		370
Area 370			
Difference -284 Area 370	CTC Suitos		
Area 370	C13 Juiles		
	Difference		-284
Total Paguirad	Area		370
Total Required 80	Total Required		86

⁽⁺⁾ denotes a surplus in current school area compared to Alberta Education guidelines (-) denotes a deficit in current school area compared to Alberta Education guidelines

JACK STUART SCHOOL

GRADES K-5

ELEMENTARY - Core Scho		al Ma	nual	m.
Student Capacity	400			
Instructional Area				
Classrooms	11	@	80	88
Science	2	@	95	19
Ancillary	1	@	130	13
Ancillary	2	@	90	18
Gym				43
Gym Storage				4
Library				16
Subtotal				2,01
Non Instructional Area				
Admin/Staff				22
Wrap-Around Services				2
Mechanical & Meter Rooms				10
Recycle Room (LEED)				1
Phys Ed.				7
Circ.				50
Wall Area				24
Storage				7
Washrooms				4
Accessible Washroom				1
Flexible Space				9
Wiring Network				3
Subtotal				143
Required Area				3,45
•	per	student		8.6
Estal Danish d				2.45
Total Required				3,45

JACK STUART SCHOOL		m2
Student Capacity	391	
Adjusted Enrol.	284	
Instructional Area		
Classrooms	8	581.8
Science	1	93.1
Ancillary	1	199.9
Ancillary	1	93.3
Gym		576.9
Gym Storage		19.3
Library		288.5
Subtotal		1852.8
Non Instructional Area		
Admin/Staff		251.7
Wrap Around & Collaboration		15.6
Mechanical & Meter Rooms		74.7
Recycle Room (LEED)		
Phys Ed.		72.0
Circ.	(approx)	439.0
Wall Area	(approx)	223.1
Storage/Janitor		117.7
Washrooms		106.5
Accessible Washroom		
Flexible Space		
Wiring Network		
Subtotal		1300.3
Area		3,153.1
	per student	11.1
Total Area		3,153

Differences		m2
Student Capacity	Capital Manual vs Existing	
Instructional Area		
Classrooms		-298
Science		-97
Ancillary		70
Ancillary		-87
Gym		147
Gym Storage		-24
Library		129
Subtotal		-160
Non Instructional Area		
Admin/Staff		25
Wrap-Around Services		-4
Mechanical & Meter Rooms		-33
Recycle Room (LEED)		-11
Phys Ed.		2
Circ.		-64
Wall Area		-19
Storage		48
Washrooms		59
Accessible Washroom		-12
Flexible Space		-96
Wiring Network		-30
Subtotal		-137
Area Difference		-297
Total Required		-297

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SIFTON SCHOOL

GRADES K-5

ELEMENTARY - Core Scho		al Ma	anual	m.
Student Capacity	345			
Instructional Area				
Classrooms	10	@	80	80
Science	1	@	95	9
Ancillary	1	@	130	13
Ancillary	2	@	90	18
Gym				43
Gym Storage				4
Library				14
Subtotal				1,81
Non Instructional Area				
Admin/Staff				22
Wrap-Around Services				2
Mechanical & Meter Rooms				10
Recycle Room (LEED)				1
Phys Ed.				7
Circ.				45
Wall Area				21
Storage				
Washrooms				4
Accessible Washroom				1
Flexible Space				8
Wiring Network				3
Subtotal				134
Required Area				3,15
•	per	studen	t	9.1
Total Required				3,15

SIFTON SCHOOL		m2
Student Capacity	417	
Adjusted Enrol.	300	
Instructional Area		
Classrooms	11	821.1
Science	1	113.4
Ancillary	1	102.2
Ancillary	2	167.9
Gym		302.0
Gym Storage		15.7
Library		83.8
Subtotal		1606.1
Non Instructional Area		
Admin/Staff		124.5
Wrap Around & Collaboration		
Mechanical & Meter Rooms		76.1
Recycle Room (LEED)		
Phys Ed.		
Circ.	(approx)	580.0
Wall Area	(approx)	259.4
Storage/Janitor		60.1
Washrooms		96.0
Accessible Washroom		
Flexible Space		
Wiring Network		
Subtotal		1196.1
Area		2,802.2
	per student	9.3
Total Area		2,802

Differences		m2
Student Capacity	Capital Manual vs Existing	
oranome Suparity	capital mandal to Empling	
Instructional Area		
Classrooms		21
Science		18
Ancillary		-28
Ancillary		-12
Gym		-128
Gym Storage		-27
Library		-56
Subtotal		-212
Non Instructional Area		
Admin/Staff		-103
Wrap-Around Services		-20
Mechanical & Meter Rooms		-32
Recycle Room (LEED)		-11
Phys Ed.		-70
Circ.		125
Wall Area		41
Storage		-4
Washrooms		54
Accessible Washroom		-12
Flexible Space		-84
Wiring Network		-30
Subtotal		-145
Area Difference		-357
Total Required		-357

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SPARLING SCHOOL

GRADES K-5

ELEMENTARY - Core School	ol Capit	tal Man	ual	m.
Student Capacity	250			
Instructional Area				
Classrooms	6	@	80	48
Science	1	@	95	9
Ancillary	1	@	130	13
Ancillary	2	@	90	18
Gym				43
Gym Storage				4
Library				10
Subtotal				1,45
Non Instructional Area				
Admin/Staff				22
Wrap-Around Services				2
Mechanical & Meter Rooms				10
Recycle Room (LEED)				•
Phys Ed.				
Circ.				36
Wall Area				17
Storage				į
Washrooms				3
Accessible Washroom				•
Flexible Space				(
Wiring Network				3
Subtotal				113
Required Area				2,59
	per	student		10.3
Total Required				2,59

SPARLING SCHOOL		m2
Student Capacity	239	
Adjusted Enrol.	179	
Instructional Area		
Classrooms	8	651.0
Science	1	96.0
Ancillary	1	91.2
Ancillary	0	
Gym		408.7
Gym Storage		45.6
Library		155.4
Subtotal		1447.9
Non Instructional Area		
Admin/Staff		291.7
Wrap Around & Collaboration		
Mechanical & Meter Rooms		50.7
Recycle Room (LEED)		
Phys Ed.		74.0
Circ.	(approx)	365.0
Wall Area	(approx)	167.1
Storage/Janitor		51.1
Washrooms		106.4
Accessible Washroom		
Flexible Space		
Wiring Network		
Subtotal		1106.0
Area		2,553.9
	per student	14.3
Total Area		2,554

Differences		m2
Student Capacity	Capital Manual vs Existing	
Landan all and American		
Instructional Area		474
Classrooms		171
Science		1
Ancillary		-39
Ancillary		-180
Gym		-21
Gym Storage		3
Library		55
Subtotal		-10
Non Instructional Area		
Admin/Staff		65
Wrap-Around Services		-20
Mechanical & Meter Rooms		-57
Recycle Room (LEED)		-11
Phys Ed.		24
Circ.		0
Wall Area		-8
Storage		0
Washrooms		76
Accessible Washroom		-12
Flexible Space		-60
Wiring Network		-30
Subtotal		-33
Area Difference		-43
Total Required		-43

⁽⁺⁾ denotes a surplus in current school area compared to Alberta Education guidelines (-) denotes a deficit in current school area compared to Alberta Education guidelines

5.7 Discussion of Comparators

As compared to Alberta Education design guidelines and standards:

Charlie Killam School

- Instructional space is over by 387m².
- Classrooms are over area by 196m². It is recommended a school this size have 14 regular classrooms and there are currently 20.
- There is no information services space of 230m².
- Administration area is short by 74 m².
- Phys Ed space is short by 44m².
- Flex space is short by 144m². Consequently, the lack of flex space does not allow for any multi-purpose space for 21st century learning. This type of learning requires spaces that are flexible and adaptable to allow for interactive learning (examples are movable walls and maker spaces). Schools built before 1995 typically do not have flex space.
- The courtyard is not ideally located for flex space due to its far proximity from administration and the gym. Typically, flex space is closer to administration and gym areas so it may be more easily supervised and also usable for other school and community events.

Jack Stuart School

- Overall, space in the school is short overall by 297m².
- Instructional space is under by 160 m².
- Library and gymnasium spaces are over by 129m² and 147 m² respectively.

Sifton School

- Overall, space in the school is short overall by 357m².
- The library is over by 76m².
- Gymnasium is short by 128 m².
- The administration area is short by 103m².
- No accessible washroom.

Sparling School

- Overall, classroom space is over by 171 m² or two classrooms.
- The major shortage is reflected in ancillary by 201m². Consequently, there is
 no flex or student gathering space which does not allow for any multi-purpose
 space for 21st century learning. This type of learning requires spaces that are
 flexible and adaptable to allow for interactive learning (examples are movable
 walls and maker spaces). Schools built before 1995 typically do not have flex
 space.

6.0 Brainstorming Exercise

Summary of "The the Art of Possibilities; Food for Thought" - Presented by Group2

- The new education pedagogy requires new kinds of space.
- Dual purpose spaces allow for the flexibility of space and a means to achieve more for students and staff. We need to think about spaces and how they can be used for more than one function.
- Visibility is a key for supervision in break-out spaces and flex spaces.
- There can be informal spaces (21st century learning) to support classrooms distributed throughout the school:
 - Student gathering
 - Presentation stairs
 - Learning commons
 - Break out spaces.
- Lots of opportunities for the improved supervision of students working individually or in groups.
- Science labs (for grades 6-12) are specialty spaces to support science learning. They are larger than regular classrooms.
- Di Vinci space is a combination space for both art and science and has replaced traditional space as we know it.
- Gymnasium space can be shared with community.
- Retractable walls can be incorporated between classrooms and into flex and breakout spaces.
- Spaces for programs that require dedicated specialty equipment:
 - Performing Arts
 - Visual Arts
 - Practical Arts
 - Industrial Arts.



Example of a student gathering / presentation stair area.



Example of a learning commons.

- The Foods program can be part of the lunch program.
- Positioning of administration space, staff room, work room, storage can be optimal and not directly connected to learning.
- Servery, student washrooms and recycling spaces can be positioned where they are not directly connected to learning.

The value scoping participants were divided into four teams to discuss and develop options for meeting the objectives of the proposed modernization project.

Working with the existing school floor plans and site layout, the teams discussed, identified and explored educational, functional and program requirements that are deficient in the existing school facility.

The teams also determined the best uses and locations for re-purposing and reconfiguring the existing space to meet the project objectives and strategic directions established earlier in the Value Scoping Session.

The teams were instructed to remain cognizant of the established area and space guidelines which must be maintained:

- New gymnasium space is held to the maximum area approved.
- Wrap-around space, accessible washroom space and gender-neutral washrooms are mandatory and these areas, as set out, cannot be altered.
- Areas prescribed for instructional space vs non-instructional space cannot be shifted from one to the other; however, the areas within each of these classifications may be modified.
- Portables can be added if necessary.
- Consider renovations that include additions.
- Three of the four schools have adequate sites for additions and new replacement schools.
- Modernization projects typically take about 2-2 ½ years to complete where a new school or replacement school usually takes 18 months.
- The government does not provide funding for the decanting of students during a modernization project. The consultant and school administration staff must phase construction to provide minimal disruption to students and programming.



Example of Practical Arts space.

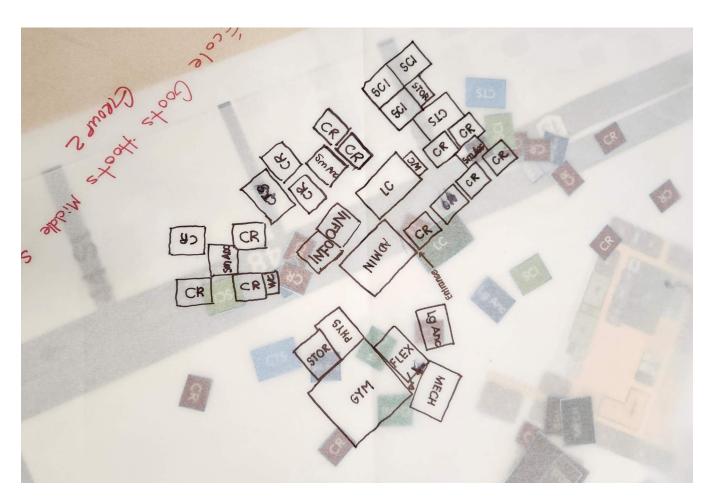


Example of dual purpose Visual / Practical Arts spaces.

7.0 Recommended Ranking of Proposed Capital Projects

In exploring and identifying the major building components to be addressed through the modernizations, as well as the educational functional requirements that are deficient in the existing school facilities, four options one option for each school and one "replacement schools" option - were developed and presented back to the larger group including all of the participants.

7.1 Summary of Group Presentations



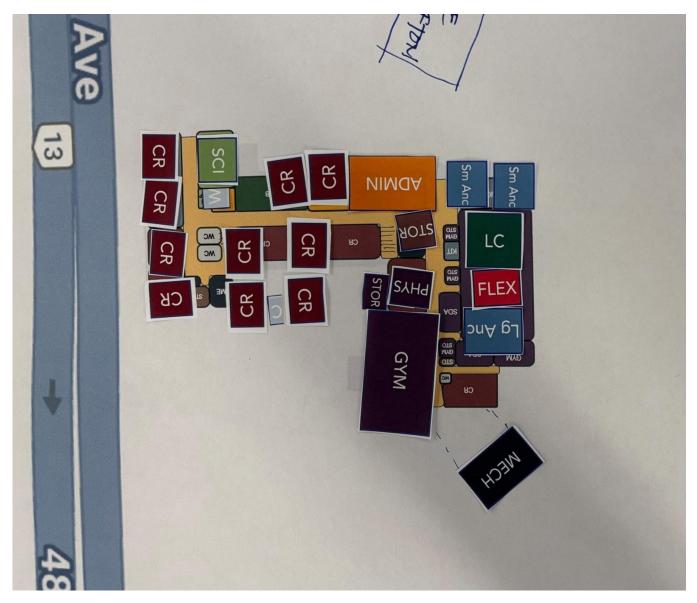
Group 1 Option- "Ecole Goots Hoots Middle School"

- Charlie Killam School modernized and remains configured for grades 6-8.
- Pods of classrooms with ancillary space in the middle.
- Moved the main entrance to be located right next to gymnasium.
- The middle section is information services and learning commons and are an open area concept with pods of classrooms distributed around the open area.
- Old gymnasium is demolished because the ceiling is too low and a new gymnasium and music room with flex space are located close to the main entrance.



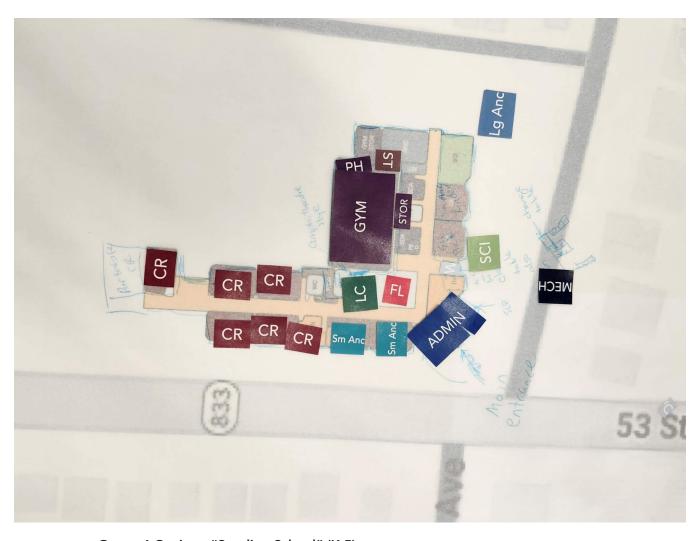
Group 2 Option - "Jaguar Lair" (K-5)

- Modernize Jack Stuart School.
- All classrooms to have exterior doors and better access to natural light.
- The youngest students would be at the front of the school (pre-kindergarten and kindergarten) and have laundry and storage areas.
- Grades 1, 2 and 3 would be in an area separate from kindergarten and grades 4 and 5 in another separate area.
- Learning commons would remain part of the existing learning commons space with moveable doors. (The existing learning commons is currently too large.)
- The old stick built/ wooden portables at the south end of the school would be replaced with permanent classrooms.
- One side of school is division I students, other side of school is division II students.



Group 3 Option "The Sifton" (K-5)

- Modernization of Sifton School.
- Administration remains in the same space but popped out a bit to be more noticeable.
- Remove the aging bi-level wing to increase accessibility and improve maintenance costs.
- Includes addition of new gymnasium.
- A new mechanical room is built above gymnasium storage.
- Existing gymnasium becomes common flex and ancillary area.



Group 4 Option "Sparling School" (K-5)

- Modernization moves the administration area to the relocated front entrance on 53 street and closest to the early learning and special needs students.
- Storage is located adjacent to administration.
- More privacy provided in the office for counselling, speech and language pathologists.
- Great sight lines for supervision would be created with the new configuration.
- More open concept for learning commons and washrooms.
- Connecting classrooms makes sense rather than how isolated they are now.

7.2 Discussion of Advantages and Risks

PLUS	DELTA			
ALL				
More 21st century learning opportunities.	Scheduling is a challenge during modernization.			
	Is this the best way to meet the needs?			
	Is this the best option?			
	Does it meet the needs of more than one school?			
	Four new schools would also be expensive and may not be approved by government as a solution. It would take years to fund and complete all four projects resulting in further escalation of costs.			
CHARLIE KII	LAM SCHOOL			
Administration located at front of school.				
New gymnasium added.				
SIFTON	SCHOOL			
Eliminating the old two story wing reduces infrastructure maintenance by providing new school space that meet current energy requirements.				
School becomes accessible and does not require an elevator.				
New gymnasium added.				
Existing gymnasium becomes ancillary space.				
SPARLIN	G SCHOOL			
Improved sight lines from the administration office.				

8.0 Cost Benefit Analysis

The costing process identifies the area(s) of new construction and area(s) to be demolished and modernized by breaking the existing school into zones to identify the intensity or level of modernization, as well as, the approximate construction schedule and duration. Location is also factored into the support price.

Alberta Infrastructure has a set Construction Rate determined by previous school projects tendered and completed that are used to forecast project budgets.

In establishing the costs for modernization projects, the school is broken down into components; foundations, finishes, substructure, shell (roof, windows and doors), stairs, elevators and services; heating, ventilation, plumbing, electrical and air conditioning where warranted by the Province.

The components of the modernization projects are broken into groups by intensity for pricing:

- Major modernizations: most complex and may include full mechanical upgrades, structural changes, slab-on-grade, the raising of ceilings, roof alignment and changes to corridors.
- **Medium modernization:** does require some structural work but has no changes to load bearing walls.
- Minor modernization: involves no structural change or upgrades and basically involves a coat of paint and new fixtures. "The walls stay in place."

The estimated costs for hazardous materials abatement, and soft costs are also factored into a project budget for design fees, site work as well as furniture and equipment.

The school construction costs used in this exercise range from \$5,300/m² for a 1 storey medium sized school to \$6,000/m² for a single storey small school. The major modernization rate used is \$4,800 m². All options assume demolition of area or schools being replaced and include LEED Silver, envelope and mechanical and electrical upgrades. New construction support rates are factor in with a 20 % location factor for school construction in Camrose.

The School Capital Manual outlines the additional costs funded in a school capital project; fees, furniture and equipment, etc. and differentiates between grade configurations.

Finally, where the modernization of a school is more than 75% of the cost of constructing a new replacement school with the same capacity, the Province would look at funding the replacement school over modernizing the existing school.

9.0 Evaluation of Options and Identification of the Solution

9.1 Discussion

In Day Two of the session, Tech-Cost consultants presented the costing of the modernization options developed in the brainstorming session as well as the costing for each options replacement school comparator for discussion:

Charlie Killam School Grades 6-8

Option 1a:

- Replacement School (grades 6-8)
- Capacity 625
- Single storey

Estimated Capital Cost \$61,290,043

Option 1b:

• "Goots Hoots" Middle School Modernization

Estimated Capital Cost - \$55,662,458

Jack Stuart School Grades K-5

Option 2a:

- Replacement School (grades K-5)
- Capacity 400
- Single storey

Estimated Capital Cost \$37,494,019

Option 2b:

• "Jaguar Lair" School Modernization

Estimated Capital Cost - \$33,564,537

Ecole Sifton Grades K-5

Option 3a:

- Replacement School (grades K-5)
- Capacity 345
- Single storey

Estimated Capital Cost \$34,258,381

Option 3b:

"The Shifton" School Modernization

Estimated Capital Cost - \$41,477,112

Sparling School Grades K-5

Option 4a:

- Replacement School (grades K-5)
- Capacity 250
- Single storey

Estimated Capital Cost \$28,378,948

Option 4b:

• "The L" Modernization

Estimated Capital Cost - \$25,001,237

Total Cost of four Replacement School Projects \$161,421,391 Total cost of four Modernization Projects \$155,705,344

Summary of Discussion:

- Participants were reminded that the school division's dilemma in planning for future capital
 requirements is that all four of the schools are between 42 and 95 years of age and all
 require replacement due to aging building components and life cycle requirements, the lack
 of modern programming spaces, accessibility requirements and security concerns with front
 entrance among other issues.
- Camrose Composite High School which has had several modernizations and has no immediate concerns or requirements at this time and Chester Ronning School was replaced in 2022.
- The replacement of four schools is expensive (\$161,421,391) and it would take years for all four schools to receive provincial capital funding from the province.
- Discussion continued around how the school division could realistically address these aging
 facilities that while meticulously well maintained, were built in different eras and are in need of
 replacement or major modernization to replace original building components that are beyond
 or approaching their life expectancy, as well as, to provide functional upgrades to meet 21st
 century learning program requirements.
- A solution to address the immediate needs of the school jurisdiction for the City of Camrose needs to be realistic and attainable. It must reduce the number of capital requirements and the project cost overall while providing a solution for dealing with the aging school infrastructure and enhancing student programming and achievement opportunities for the future.

- A provincial priority for the government is a solution that provides project justification
 and supportability, demonstrates overall planning and management, communicates local
 priorities, provides project definitions for budget and scope development and demonstrates
 that all options for the accommodation of students has been explored and considered:
 adjusting grade configurations and looking at more efficient ways to utilize existing space in
 a school(s) within a community.
- It was proposed that a strategy Battle River School Division could consider is to adjust its grade configurations in the schools in Camrose. Adopting a plan to reconfigure grades from K-5, 6-8 and 9-12 to K-9 and 10-12 provides a more realistic and achievable capital solution for Camrose.
- Today several Alberta school jurisdictions across the province are opting to build 900 capacity K-9 school campuses.
- K-9 schools combine students ranging in age from four to fifteen and students must be grouped efficiently to maximize the benefit of this age range. It allows younger students the opportunity to interact and learn from older students. The younger students get exposed earlier to older kids and to bigger groups of kids. Vice versa, it allows for interaction for the older students in a role modeling or leadership role for younger students.
- Being in one school for ten years provides additional years for students to build and be part
 of a strong school community. It provides opportunities for staff and student collaboration.
 It provides more opportunities for younger students to participate in more robust music and
 sports programs and as mentioned also provides for more leadership opportunities.
- K-9 school facilities provides more opportunities for planning and designing in that there are an increases in the variety of program of spaces; ancillary, CTS, larger gymnasiums and libraries/learning commons, etc. which can be used by the whole school that would not be part of a typical elementary or middle school. K-9 school advantages:
- There is an opportunity to determine CTS programs that are best suited to the community.
- Keeps siblings together.
- No need for decanting space in order to modernize existing schools.
- Can utilize existing sites to build replacement schools.
- A brand new school attracts and retains students and teachers.
- There is a challenge in maintaining more facilities as opposed to fewer.
- Community engagement increases in one school community.
- Easier for families for drop off and celebrations.
- Stronger capital request of one school serving the communities.

9.2 Potential Solution

Replacing one middle school and three elementary schools with one new 900 capacity school and adding a large addition of 4,403m² to the existing new replacement school, Chester Ronning School, with an opening capacity to accommodate actual enrollment numbers (600 to 900) would accommodate all the K-9 students in Camrose well into the future and is much more economically feasible and potentially approvable by government.



New K-9 900 capacity school site test fit at one possible location.



Test fit of new addition to existing Chester Ronning School, as a possible location.

Area Comparator Chart

CHESTER RONNING SCHOOL

GRADES K-5

K to 9 SCHOOL - Core S	chool Capita	l Manual	mí
Student Capacity	905		
Instructional Area			
Classrooms	24 @	80	1,92
Science	2 @	120	24
Elementary Science	2 @	95	19
Ancillary	2 @	130	26
Ancillary	4 @	90	36
Info Services	2 @	115	23
Gym			70
Gym Storage			7
Library			36
Subtotal			4,34
Non Instructional Area			
Admin/Staff			47
Wrap-Around Services			5
Mechanical & Meter Rooms			21
Recycle Room (LEED)			2
Phys Ed.			13
Circ.			112
Wall Area			53
Storage			15
Washrooms			11
Accessible Washroom			2
Flexible Space			22
Wiring Network			4
Subtotal			310
Required Area			7,44
	per student		8.2
CTS Suite	1 @	142	1.4
Less One Classroom	1 W	142	14
Area for CTS Suite			14
Area for CT3 Suite			14.
Required Area			7,44

CHESTER RONNING SCH	OOL	m2
Student Capacity	352	
Adjusted Enrol.	307	
Instructional Area		
Classrooms	11	809.2
Science		0.0
Elementary Science		0.0
Ancillary	1	128.1
Ancillary	2	141.2
Info Services		0.0
Gym		433.5
Gym Storage		43.4
Library		158.8
Subtotal		1714.1
Non Instructional Area		
Admin/Staff		242.5
		213.5
Wrap Around & Collaboration		21.5
Mechanical & Meter Rooms		106.9
Recycle Room (LEED)		7.5 47.5
Phys Ed. Circ.	(47.5 563.7
Wall Area	(approx)	226.0
Storage/Janitor	(approx)	74.6
Washrooms		74.6 115.4
Accessible Washroom		10.2
Flexible Space		118.0
Wiring Network		31.3
Subtotal		1536.2
Area		3,250.3
71100	per student	10.6
CTS Suites		
Total CTS		0.0
Area		3,250.3
Total Area		3,250

Differences		m2
Student Capacity	Capital Manual vs Existing	
Instructional Area		
Classrooms		-1111
Science		-240
Elementary Science		-190
Ancillary		-132
Ancillary		-219
Info Services		-230
Gym		-272
Gym Storage		-28
Library		-209
Subtotal		-2630
Non Instructional Area		
Admin/Staff		-259
		-259 -28
Wrap-Around Services Mechanical & Meter Rooms		-20 -109
		-109 -14
Recycle Room (LEED)		-14 -82
Phys Ed. Circ.		-62 -557
Wall Area		-312
Storage		-82
Washrooms		5
Accessible Washroom		-14
Flexible Space		-103
Wiring Network		-9
Subtotal		-1565
Area Difference		-4,195
		.,
CTS Suites		-142
Difference		-142
Directice		-142
Area		-4,195
Total Required		-4,337

⁽⁺⁾ denotes a surplus in current school area compared to Alberta Education guidelines (-) denotes a deficit in current school area compared to Alberta Education guidelines

The proposed solution of building one new K-9 school and an addition at Chester Ronning School to reconfigure it to a K-9 indicates to government that Battle River School Division has reviewed all of the options available for delivering education in the community and considered all of the planning benchmarks in developing a plan for the entire city that considers all of the existing aging facilities, the current and projected enrollments and demographics and the functional and programming requirements necessary to provide students and teachers with 21st century learning and teaching opportunities. The proposed solution supports the capital drivers of high provincial priority projects:

- A solution for an entire community.
- Fiscal integrity.
- The age and condition of existing facilities.
- Current and projected enrollment growth.
- Functional and programming requirements necessary to meet current standards for delivering education.

Chester Ronning School and Camrose Composite High School are located in the southwest quadrant and it is suggested that the new K-9 replacement school be located at the current Charlie Killam site. The existing sites for Charlie Killam School and Sifton School can be considered and assessed to determine if they are large enough to accommodate a larger school and the required playground/green space. A high level "fit" test on these existing sites was done to show the sites could potentially accommodate a school with the required area (refer to page 36).

The proposed future addition and replacement school projects would include the demolition of the four existing schools as part of the total project.

Option 5:

- Addition to existing Chester Ronning School to convert to a K-9 school
- Capacity 900

Estimated Capital Cost \$38,072,584

Option 6:

- New K-9 school
- Capacity 900

Estimated Capital Cost - \$79,464,680

Г		OPTIONS									
		Option 1a - Replacement for Charlie Killam 6-8 School	Option 1b - M odernization for Charlie Killam 6-8 School - Goots Hoots Middle School	Option 2a - Jack Stuart Replacement K-5 School	Option 2b - Jack Stuart Modernization K-5 School - Jaguar Lair	Option 3a - Replacement for Sifton K-5 School	Option 3b - Modernization for Sifton K-5 School - The Shifton	Option 4a - Replacement for Sparling K-5 School	Option 4b - M odernization for Sparling K-5 School - The "L"	Option 5 - Addition to Chester Ronning to re- grade to K-9	Option 6 - New K-9 School
Are	ea (m²)	5,570	5,570	3,450	3,450	3,159	3,159	2,597	2,597	7,587	7,587
CAF	PITAL COSTS										
	Hard Construction Cost	\$40,691,714	\$36,494,433	\$25,016,018	\$22,305,913	\$22,860,320	\$22,164,305	\$18,927,818	\$16,356,548	\$26,022,889	\$52,632,424
	Soft / Other Construction Cost	\$7,117,591	\$6,404,054	\$4,252,723	\$3,792,005	\$3,886,254	\$3,767,932	\$3,217,729	\$2,780,613	\$4,523,891	\$9,047,512
	GST - Non Refundable	\$764,949	\$686,376	\$468,300	\$417,567	\$427,945	\$414,916	\$354,329	\$306,195	\$488,748	\$986,879
	Escalation	\$12,715,789	\$12,077,596	\$7,756,977	\$7,049,052	\$7,083,862	\$15,129,959	\$5,879,073	\$5,557,882	\$7,037,055	\$16,797,865
тот	TAL CAPITAL COSTS	\$61,290,043	\$55,662,458	\$37,494,018	\$33,564,537	\$34,258,381	\$41,477,112	\$28,378,948	\$25,001,237	\$38,072,584	\$79,464,680
	Modernization as a %age of Replacement		91%		90%		121%		88%		
	K-9 as a %age of Replacement of Separate Schools									24%	49%
тот	TAL CAPITAL COSTS (Solution Cost)	\$61,290,043	\$55,662,458	\$37,494,018	\$33,564,537	\$34,258,381	\$41,477,112	\$28,378,948	\$25,001,237	\$38,072,584	\$79,464,680
CUN	MULATIVE OPERATIONS & MAINTENANCE	COSTS									
	Community	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Receipts/Income	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Facility Systems Maintenance	\$5,799,193	\$5,799,193	\$3,591,960	\$3,591,960	\$3,288,986	\$3,288,986	\$2,703,861	\$2,703,861	\$7,899,188	\$7,899,188
	Facility Operations - Utilities	\$4,583,930	\$4,583,930	\$2,839,238	\$2,839,238	\$2,599,755	\$2,599,755	\$2,137,247	\$2,137,247	\$6,243,856	\$6,243,856
	Facility Operations - Expenses	\$7,828,910	\$7,828,910	\$4,849,145	\$4,849,145	\$4,440,131	\$4,440,131	\$3,650,212	\$3,650,212	\$10,663,903	\$10,663,903
CAF	PITAL / CYCLICAL RENEWAL	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Tota	al Future Costs	\$79,502,076	\$73,874,491	\$48,774,362	\$44,844,880	\$44,587,252	\$51,805,983	\$36,870,268	\$33,492,557	\$62,879,531	\$104,271,626
Tota	al Net Present Value (nPV)	\$70,136,442	\$64,508,857	\$42,973,385	\$39,043,904	\$39,275,576	\$46,494,306	\$32,503,562	\$29,125,851	\$50,122,428	\$91,514,523

9.3 Cost Summary Recap

	Four modernizations	Four replacement schools	Chester Ronning School addition	New K-9 school
			\$38,072,584	\$79,464,680
Total	\$155,705,344	\$161,421,391 (modernizations are 96% of new construction)	\$117,5	37,264

10.0 Next Steps

The Value Scoping Session developed and provided costing models for the four options for the modernizations of Charlie Killam School, Jack Stuart School, Sifton School and Sparling School. All of the options for modernization reflect a scope of work, identified in the costing report (Appendix D), that needs to be undertaken, the areas of the schools that need attention, and the level of investment that will be required (Refer to chart on page 19).

Additionally, two alternate options were developed for replacing one middle school and three elementary schools with one new 900 capacity schools and adding a large addition of 4,403m² to the existing new replacement school, Chester Ronning School, with an opening capacity of 600 to 900 to accommodate all the K-9 students in Camrose.

The scope of the addition and the design of a replacement school would be developed after the project(s) approval.

Alberta Infrastructure's guideline is to consider and evaluate a replacement building when the cost of a modernization exceeds 75% of the replacement school cost. The school board should consider the replacement school option over modernization of schools in its planning and decision-making process.

The information and discussions generated by this Value Scoping Session are intended to assist Battle River School Division's Board of Trustees in the development of its capital plan. The school division may choose to include any, a combination, or none of these options in their capital plan

11.0 School Board Chair's Closing Remarks

Going into this Value Scoping process there were no preconceived ideas of the outcome.

Education is changing today. Schools are different today even from what they were like 15 years ago.

This session has brought together a good number of participants with different backgrounds and a variety of experience. This experience has reinforced the perspectives from a variety of backgrounds ensures that more than one point of view is heard, and that ownership does not get in the way.

After the report, the Board will provide messaging on the next steps.

Appendix A: Floor Plans of Existing Schools

Charlie Killam School



Jack Stuart School



Ecole Sifton School



Sparling School



Appendix B: Area Capacity and Utilization (2023-2024)

School Name	School Code	Grade	Instructional	Instructional	CTS	GYM/	Lib Cap	Total	Exempt	Net	EC	Gr.1-12	ECS Sp.	Gr.1-12	* Adj	Utiliz.
		Configuration	Area m2	Area per	Сар	PAR		Capacity	Instructional	Capacity	S		Ed.	Sp. Ed.	Total	%
				Student		Сар			Area m2				Severe	Severe	Enrol	
Bashaw School	4502	K-12	1150.6	3.69	20	0	0	332	0	332	19	227	1	11	259.5	0.78
Bawlf School	4503	K-12	1453.9	3.69	40	0	0	434	0	434	22	284	4	10	319	0.74
C W Sears Elementary School	3509	K-4	1403.7	3.47	0	0	0	405	0	405	76	211	16	11	287	0.71
Camrose Composite High School	4545	9-12	3201	3.65	260	95	25	1256	210.3	1199	0	758	0	30	818	0.68
Central High School Sedgewick	4710	1-12	1937.5	3.69	80	20	0	625	0	625	0	353	0	8	369	0.59
Charlie Killam School	4541	6-8	2126.1	3.61	0	20	0	608	0	609	0	480	0	23	526	0.86
Chester Ronning School	4542	K-5	1220.13	3.47	0	0	0	351	0	352	55	255	10	7	306.5	0.87
Daysland School	4702	K-12	1689.5	3.69	60	20	0	538	72.5	518	38	195	3	4	225	0.43
Forestburg School	4703	K-12	1473.8	3.69	40	20	0	459	72	440	15	186	3	3	202.5	0.46
Hay Lakes School	4507	1-12	1472.3	3.69	0	0	0	399	65.5	381	0	233	0	13	259	0.68
Jack Stuart School	4543	K-5	1357.6	3.47	0	0	0	391	0	391	59	241	12	19	320.5	0.82
Killam Public School	4707	K-9	1035	3.61	0	20	0	307	0	307	63	140	6	5	187.5	0.61
New Norway School	4510	K-12	1207.8	3.69	40	20	0	387	0	387	14	182	2	4	199	0.51
Round Hill School	4512	K-9	830.9	3.61	0	0	0	230	0	230	9	94	2	2	104.5	0.45
Ryley School	3506	K-9	760.1	3.61	80	0	0	291	0	291	6	99	0	3	108	0.37
Sifton School	4513	K-5	1448	3.47	0	0	0	417	0	417	77	248	13	4	307.5	0.74
Sparling School	4549	K-5	830.8	3.47	0	0	0	239	0	239	44	158	18	19	236	0.99
Tofield School	3508	5-12	2223.7	3.69	40	0	0	643	0	643	0	451	0	34	519	0.81
Viking School	3510	K-12	1938.8	3.69	40	20	0	585	0	585	15	222	4	11	255.5	0.44

Appendix C: Enrollment Projections

SCHOOL	GRADES	CAPACITY	2017/2018 ENROLL. ¹	2020/2021 ENROLL. ²	2035 PROJ. ENROLL. ³	2020/2021 UTILIZATION ²	2035 PROJ. UTIL. ³
Bashaw School	K-12	332	229	226	217	72%	70%
Bawlf School	K-12	434	328	287	312	67%	71%
Camrose Composite High School	9-12	1,257	686	642	683	56%	58%
Charlie Killam School	6-8	609	447	510	486	90%	86%
Chester Ronning School	K-5	350	294	261	281	52%	80%
Jack Stuart School	K-5	391	266	264	252	73%	69%
Sifton School	K-5	417	323	297	306	72%	78%
Sparling School	K-5	239	166	166	171	75%	87%
Daysland School	K-12	518	230	203	229	40%	45%
Forestburg School	K-12	440	238	182	152	42%	35%
Hay Lakes School	1-12	381	247	202	241	57%	67%
Killam Public School	K-9	307	169	170	149	55%	52%
New Norway School	K-12	387	246	213	191	56%	52%
Round Hill School	K-9	230	68	93	85	38%	37%
Ryley School	K-9	286	98	140	99	55%	42%
Central High Sedgewick Public School	1-12	625	419	384	340	67%	60%
CW Sears Elementary School	K-4	405	330	297	256	73%	68%
Tofield School	5-12	641	358	402	329	72%	59%
Viking School	K-12	585	270	254	213	45%	39%

Red - indicates a reduction in enrollment and utilization

Sources: 1. Alberta Education Area Capacity and Utilization Report (2017/2018), 2. Alberta Education Area Capacity and Utilization Report (2020/2021), 3. Battle River School Division Capacities and Projected Enrolments.

Appendix D: Costing Analysis



Camrose Elementary and Middle Schools Value Scoping Session Battle River School Division

Camrose, AB



Capital Cost Analysis January 08 & 09, 2025

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- 4. Options Calculations
- 5. Escalated Cash Flows
- 6. Discounted Cash Flows
- 7. Definitions

Capital Cost Analysis January 08 & 09, 2025

1. PREAMBLE

This report is intended to demonstrate the capital cost analysis (CCA) solutions developed during the Value Scoping Session held on January 08 and 09, 2025. These analyses are used to compare cost estimates for the qualitative concepts presented, with reasonable budgets forecast in planning for the long-term facility planning. The quantitative value recommendations for improvements ensuring proper occupational safety, operation and supply of quality learning are addressed in other sections of this report.

Options compared are listed below:

École Charlie Killam 6-8 School

Option 1a - Replacement 6-8 625 capacity single-storey school, demolish existing school

•	Demolished						
	 Building demolition – Charlie Killam 	5,656 m ²					
•	New Replacement School, Single Storey						
	o 6-8 Schedule "A"	5,570 m ²					
	o Sub-Total	5,570 m ²					
	o Option Total	5,570 m ²					

<u>Option 1b (Goots Hoots Middle School)</u> – Modernize existing 6-8 School. Envelope, M&E renewal to LEED, demo gym and stick built modulars, program area updates and add new gym.

•	Demolished	
	 Building demolition (gym) 	1,073 m ²
	 Selective demolition 	4,583 m ²
•	Modernization / Addition	
	 Modernization 	4,583 m ²
	 Addition 	987 m ²
	⊙ Sub-Total	5,570 m ²
	o Option Total	5,570 m ²

Jack Stuart K-5 School

Option 2a - Replacement K-5 400 capacity single-storey school, demolish existing school

•	Demolished o Building demolition – Jack Stuart	3,153 m ²
	New Replacement School, Single Storey	3, 133 111
•	K-5 Schedule "A"	3,450 m ²
	Sub-Total	3,450 m ²
	o Option Total	3,450 m ²

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•	Demolished	
	 Building demolition (modulars) 	247 m ²
	 Selective demolition 	2,906 m ²
•	Modernization / Addition	
	 Modernization 	2,906 m ²
	 Addition 	544 m ²
	⊙ Sub-Total	3,450 m ²
	o Option Total	3,450 m ²

École Sifton K-5 School

Option 3a - Replacement K-5 345 capacity single-storey school, demolish existing school

•	Demolished	1	
	 Build 	ding demolition – Ecole Sifton	2,802 m ²
•	New Replac	cement School, Single Storey	
	o K-5	Schedule "A"	3,159 m ²
	o Sub	-Total	3,159 m ²
	o Opti	on Total	3,159 m ²

<u>Option 3b (The Shifton)</u> – Modernize existing K-5 School. Envelope, M&E renewal to LEED, demo two level portion, program area updates including re-utilize gym and add new single storey and gym.

• Der	molished	
	 Building demolition (two storey) 	1,331 m ²
	 Selective demolition 	1,471 m ²
• Mod	dernization / Addition	
	 Modernization 	1,471 m ²
	o Addition	1,688 m²
•	o Sub-Total	3,159 m ²
_		
	o Option Total	3,159 m²

Sparling K-5 School

<u>Option 4a</u> – Replacement K-5 250 capacity single-storey school, demolish existing school

•	Demolished	
	 Building demolition – Sparling 	2,554 m ²
•	New Replacement School, Single Storey	
	o K-5 Schedule "A"	2,597 m ²
	o Sub-Total	2.597 m ²

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<u>Option 4b (The "L")</u> – Modernize existing K-5 School. Envelope, M&E renewal to LEED, program area updates and add new area.

•	Demolished	
	 Building demolition 	nil m²
	 Selective demolition 	2,554 m ²
•	Modernization / Addition	
	 Modernization 	2,554 m ²
	 Addition 	43 m ²
	○ Sub-Total	2,597 m ²
	o Option Total	2,597 m ²

Addition to Chester Ronning School and re-grade to K-9

<u>Option 5</u> – Addition to existing K-5 School. Existing school does not require modernization as recent new build. Add area to extend school to 905 capacity single storey school.

•	Demolished	
	 Building demolition 	nil m²
	 Selective demolition 	nil m²
•	Modernization / Addition	
	 Modernization 	3,250 m ²
	 Addition 	4,337 m ²
	o Sub-Total	7,587 m ²
	o Option Total	$7,587 \text{ m}^2$

New K-9 School

<u>Option 6</u> – Replacement K-9 905 capacity single-storey school, demolish existing schools (4 number).

•	Demolished	
	 Building demolition – 4 no. Schools 	14,165 m ²
•	New Replacement School, Single Storey	
	o K-9 Schedule "A"	7,587 m ²
	o Sub-Total	7,587 m ²
	o Option Total	7,587 m ²

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2. METHODOLOGY

Facility-Life Cost Planning

Facility-Life-Cost Planning applies to the long-term acquisition and ownership of assets. This report reviews options over a 25-year study period and can be used to compare the effect of costs over each facility life from different economic perspectives, enabling the Owner to understand the effects of Capital, Operating and Cyclical influences.

The purpose of life-cost planning is to use discounted cash flow analysis to determine the total costs of a building over a specified time frame in order to objectively assess the performance of the design in terms of durability, quality, energy usage and the like. Life-cost planning also establishes estimated target costs for the capital and running costs of a building or its elements. These targets provide a constraint and a useful measure against which selected design solutions can be later compared or evaluated. For this project, the various categories of capital and operating expenses shown are summarized as follows:

Capital cost

- Land costs (not applicable)
- Construction costs
- Soft Costs

The basic capital dollars are expressed in current **January 2025** dollars, that is, as if the project were tendered in **January 2025**.

Where possible, elements have been assessed or measured, then priced at rates considered competitive for a project of this type. This report is developed using standardized methods and techniques. Formatting of the report in accordance with the following documents:

Canadian Institute of Quantity Surveyors. "<u>Elemental Cost Analysis-Method of Measurement and Pricing"</u> (Toronto ON, Canada: Canadian Institute of Quantity Surveyors, 1990).

Construction Specifications Institute. "<u>UniFormat™: A Uniform Classification of Construction Systems and Assemblies"</u>(Alexandria, VA, USA: The Construction Specifications Institute, 2010 Edition).

Construction Specifications Institute. "<u>MasterFormat 2010™</u>" (Alexandria VA, USA: The Construction Specifications Institute, 2010 Edition).

Costing for the estimated areas of work is developed using the historical data of similar projects. Consideration is made to include for project complexity, geographic location and current market pricing.

Allowances / Contingencies:

As this project is currently at <u>functional scoping development</u> the following allowances have been included:

- a. Design Allowance / Contingency
 - An allowance for design changes during the development of the design. The allowance is to cover unforeseen items during the design phase that do not change the project scope. The allowance, which is included in the primary stages, is ultimately absorbed into the design and

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quantified work as more detailed information becomes available and is therefore normally reduced to zero at tender stage

- b. Phasing Allowance / Contingency
 - An allowance for increased requirements for projects being executed in multiple phases. This restriction leads to increased costs due to increased temporary protection requirements, etc.
- c. Construction Allowance / Contingency
 - An allowance for changes to the contract price during construction. The allowance is to cover unforeseen items during the construction period which will result in change orders
- d. Location Allowance / Contingency
 - Location factors are applied to baseline unit costs, to allow for the higher costs of construction
 in locations that are further away from the main centers of operations, notably Edmonton and
 Calgary. Initially, these factors are calculated by assessing the extra costs of supplying skilled
 labour and delivering materials from either of the two main city centers to those remote
 locations, and incorporating the relative risks involved in doing business there.

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3. FINANCIAL OVERVIEWS

3.1 Summary of Costs

The capital cost comparison is summarized in following tables for the options. Totals are represented in current January 2025 dollars for comparison purposes.

Overall Summary:

			OPTIONS								
		Option 1a - Replacement for Charlie Killam 6-8 School	Option 1b - M odernization for Charlie Killam 6-8 School - Goots Hoots M iddle School	Option 2a - Jack Stuart Replacement K-5 School	Option 2b - Jack Stuart M odernization K-5 School - Jaguar Lair	Option 3a - Replacement for Sifton K-5 School	Option 3b - M odernization for Sifton K-5 School - The Shifton	Option 4a - Replacement for Sparling K-5 School	Option 4b - M odernization for Sparling K-5 School - The "L"	Option 5 - Addition to Chester Ronning to re- grade to K-9	Option 6 - New K-9 School
Are	a (m²)	5,570	5,570	3,450	3,450	3,159	3,159	2,597	2,597	7,587	7,587
CAF	ITAL COSTS										
	Hard Construction Cost	\$40,691,714	\$36,494,433	\$25,016,018	\$22,305,913	\$22,860,320	\$22,164,305	\$18,927,818	\$16,356,548	\$26,022,889	\$52,632,424
	Soft / Other Construction Cost	\$7,117,591	\$6,404,054	\$4,252,723	\$3,792,005	\$3,886,254	\$3,767,932	\$3,217,729	\$2,780,613	\$4,523,891	\$9,047,512
	GST - Non Refundable	\$764,949	\$686,376	\$468,300	\$417,567	\$427,945	\$414,916	\$354,329	\$306,195	\$488,748	\$986,879
	Escalation	\$12,715,789	\$12,077,596	\$7,756,977	\$7,049,052	\$7,083,862	\$15,129,959	\$5,879,073	\$5,557,882	\$7,037,055	\$16,797,865
тот	AL CAPITAL COSTS	\$61,290,043	\$55,662,458	\$37,494,018	\$33,564,537	\$34,258,381	\$41,477,112	\$28,378,948	\$25,001,237	\$38,072,584	\$79,464,680
	Modernization as a %age of Replacement		91%		90%		121%		88%		
	K-9 as a %age of Replacement of Separate Schools									24%	49%
тот	AL CAPITAL COSTS (Solution Cost)	\$61,290,043	\$55,662,458	\$37,494,018	\$33,564,537	\$34,258,381	\$41,477,112	\$28,378,948	\$25,001,237	\$38,072,584	\$79,464,680
CUN	ULATIVE OPERATIONS & MAINTENANCE	COSTS									
	Community	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Receipts/Income	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Facility Systems Maintenance	\$5,799,193	\$5,799,193	\$3,591,960	\$3,591,960	\$3,288,986	\$3,288,986	\$2,703,861	\$2,703,861	\$7,899,188	\$7,899,188
L	Facility Operations - Utilities	\$4,583,930	\$4,583,930	\$2,839,238	\$2,839,238	\$2,599,755	\$2,599,755	\$2,137,247	\$2,137,247	\$6,243,856	\$6,243,856
	Facility Operations - Expenses	\$7,828,910	\$7,828,910	\$4,849,145	\$4,849,145	\$4,440,131	\$4,440,131	\$3,650,212	\$3,650,212	\$10,663,903	\$10,663,903
CAF	TAL / CYCLICAL RENEWAL	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Tota	l Future Costs	\$79,502,076	\$73,874,491	\$48,774,362	\$44,844,880	\$44,587,252	\$51,805,983	\$36,870,268	\$33,492,557	\$62,879,531	\$104,271,626
Tota	Net Present Value (nPV)	\$70,136,442	\$64,508,857	\$42,973,385	\$39,043,904	\$39,275,576	\$46,494,306	\$32,503,562	\$29,125,851	\$50,122,428	\$91,514,523

3.2 Analysis

The capital cost has been generated by the varying levels complexity in the facilities' size and form. The values range from a 1-storey medium size school of \$5,300/m² to a single-storey small school of \$6,000/m². All options assume demolition of the schools being replaced. Major modernization rate (\$4,800/m²) includes the assumption of LEED silver, Envelope and M&E upgrades. Also taken into consideration is a 10% location factor.

These construction rates have been applied to the affected facility components identified in the workshop to produce the capital cost investment.

3.3 Assumptions

The life cycle cost analysis uses the following key assumptions.

- 1) All construction capital costs **include** future escalation.
 - a. 6.0% 2025
 - b. 6.0% 2026 onward
- 2) O&M annual cost are included for:
 - a. Facility Operations utilities
 - b. Facility Operations maintenance
 - c. Facility Operations expenses
- 3) Decanting is excluded.
- 4) Phasing is included.
- 5) Cyclical renewal costs are excluded.
- 6) Residual values are excluded.

3.4 Exclusions

This is a comparative exercise only and the following items that may affect these projects have been excluded from the calculations compared in the options presented:

- 1. IT equipment and communications cabling
- 2. Land costs
- 3. Property tax or its equivalent grants-in-lieu.
- 4. Financing/Fundraising costs
- 5. Abnormal soil conditions not covered in the Facility Evaluation reviews

Elementary & Middle Schools Value Scoping Session Camrose, Alberta

Capital Cost Analysis January 08 & 09, 2025

4. Options - Calculations



BRSD - Elementary and Middle Schools Option 1a - Replacement for Charlie Killam 6-8 School

PROGRAM AREA (m²)		A Demolition	B Preservation	C New	D Modulars	Total (B+C+D+E)
Existing School Replacement Facility	<u>-</u>	5,656		5,570		5,570
	TOTAL :	5,656	0	5,570	0	5,57
CAPITAL COST						
A Demolition	1	*********	44.070.000			
Demo School Hazmat	5,656 m² 5,656 m²	\$225.00 \$250.00	\$1,272,600			
паzтпаt		#250.00	\$1,414,000 \$2,686,600			
Preservation/Modernization	AD	emontion Net .	\$2,000,000	_		
n/a	0 m²	\$0.00	\$0			
II/a						
	B Preservation/Mode	rnization Net :	\$0	_		
New/Expansion Replacement Facility	5,570 m²	\$5,982.72	\$33,323,767			
replacement racinty	<u> </u>	xpansion Net :	\$33,323,767			
M - dul	O New/L	xpansion itet .	ψ33,323,707	_		
O Modulars n/a	0 no	\$0.00	\$0			
11/4		Modular's Net :	\$0			
Other		iodului 3 NCC .	Ψυ	_		
n/a	0 m	\$0.00	\$0			
	•	Other Net :	\$0			
Contingencies			\$36,010,367	_		
Location	_	10.0%	\$3,601,037			
Project	_	0.0%	\$0			
Construction	-	3.0%	\$1,080,311			
	Z Conti	ngencies Net :	\$4,681,348			
-	(A+B+C+D+E+Z) Con	=	\$40,691,714			
	<u> </u>	\$/m² GFA:	\$7,306			
oft/Other Costs	- 1	1				
Land Purchase	0 acre	\$0.00	\$0			
Site Services	0 acre	\$0.00	\$0			
Project Admin Programming	_	2.0% 0.0%	\$813,834 \$0			
Design Fees	-	8.0%	\$3,255,337			
Furnishings & Equipment	_	7.0%	\$2,848,420			
IT	_	0.0%	\$0			
CTS Equipment	Г	1.00 ls	\$200,000	2 streams @ \$1	00k	
Decanting	<u>-</u>	0.0%	\$0	excluded		
	S	oft/Other Net:	\$7,117,591			
SUB-TOTAL			\$47,809,306			
Non-refundable GST		1.60%	\$764,949			
CAPITAL COST TOTAL (Janu	ary 2025 \$)		\$48,574,254			
Escalation	_		\$12,715,789			
CAPITAL COST TOTAL			\$61,290,043			

BRSD - Elementary and Middle Schools

Option 1b - Modernization for Charlie Killam 6-8 School - Goots Hoots Middle School

PROGRAM AREA (m²)		A Demolition	B Preservation	C New	D Modulars	Total (B+C+D+E)
Demolition Modernization Addition	:	1,073	4,583	987		4,583 987
Addition	TOTAL :	1,073	4,583	987	0	5,570
CAPITAL COST						
A Demolition						
Demo Gym	1,073 m²	\$225.00	\$241,425			
Gym Demo Hazmat	1,073 m²	\$250.00	\$268,250			
Selective Demo	4,583 m²	\$200.00	\$916,600			
Selective Demo Hazmat	4,583 m²	\$250.00	\$1,145,750			
	AD	emolition Net:	\$2,572,025			
Preservation/Modernization			_			
Major Modernization	4,583 m²	\$4,786.18	\$21,935,055			
	B Preservation/Mode	ernization Net :	\$21,935,055			
New/Expansion	1			_		
Addition	987 m²	\$5,982.72	\$5,904,947			
	C New/E	expansion Net :	\$5,904,947	_		
Modulars	0	#0.00 l	I #0			
n/a	0 no	\$0.00	\$0			
	D	Modular's Net :	\$0	_		
Other	0	#0.00 l	I do			
n/a	0 m	\$0.00	\$0			
		Other Net :	\$0	_		
Contingencies	-		\$30,412,028			
Location	-	10.0%	\$3,041,203			
Project	-	0.0%	\$0			
Construction	-	10.0%	\$3,041,203			
	Z Cont	ingencies Net :	\$6,082,406			
	(A+B+C+D+E+Z) Cor		\$36,494,433			
oft/Other Costs		\$/m² GFA:	\$6,552	_		
Land Purchase	0 acre	\$0.00	\$0			
Site Services	0 acre	\$0.00	\$0			
Project Admin		2.0%	\$729,889			
Programming	_	0.0%	\$0			
Design Fees	_	8.0%	\$2,919,555			
Furnishings & Equipment	-	7.0%	\$2,554,610			
IT	_	0.0%	\$0			
CTS Equipment		1.00 ls	\$200,000	2 streams @ \$1	100k	
Decanting	-	0.0%	\$0	excluded		
		Soft/Other Net :	\$6,404,054			
SUB-TOTAL			\$42,898,487			
Non-refundable GST		1.60%	\$686,376			
CAPITAL COST TOTAL (Janu	uary 2025 \$)		\$43,584,863			
Escalation			\$12,077,596			
CAPITAL COST TOTAL			\$55,662,458			



BRSD - Elementary and Middle Schools Option 2a - Jack Stuart Replacement K-5 School

PROGRAM AREA (m²)		A Demolition	B Preservation	C New	D Modulars	Total (B+C+D+E)
Existing School - Jack Stuart	_	3,153				0
Replacement Facility	-			3,450		3,450
	TOTAL:	3,153	0	3,450	0	3,450
CAPITAL COST						
Demolition						
Existing School - Jack Stuart	3,153 m²	\$225.00	\$709,425			
Hazmat	3,153 m²	\$250.00	\$788,250			
	A D	emolition Net :	\$1,497,675			
Preservation/Modernization		,		_		
n/a	0 m²	\$0.00	\$0			
	B Preservation/Mode	ernization Net :	\$0			
New/Expansion				_		
Replacement Facility	3,450 m²	\$5,982.72	\$20,640,394			
	C New/E	xpansion Net :	\$20,640,394			
Modulars				_		
n/a	0 no	\$0.00	\$0			
	D	Modular's Net :	\$0			
Other				_		
n/a	0 m	\$0.00	\$0			
		Other Net :	\$0			
. Contingencies			\$22,138,069	_		
Location	-	10.0%	\$2,213,807			
Project	-	0.0%	\$0			
Construction	-	3.0%	\$664,142			
	Z Cont	ingencies Net:	\$2,877,949			
	(A+B+C+D+E+Z) Cor		\$25,016,018			
		\$/m² GFA:	\$7,251	_		
oft/Other Costs Land Purchase	0 acre	\$0.00	\$0			
Site Services	0 acre	\$0.00	\$0			
Project Admin	0 acre	2.0%	\$500,320			
Programming	-	0.0%	\$0			
Design Fees	-	8.0%	\$2,001,281			
Furnishings & Equipment	-	7.0%	\$1,751,121			
IT	-	0.0%	\$0			
CTS Equipment		0.00 ls	\$0			
Decanting	-	0.0%	\$0	excluded		
	,	Soft/Other Net:	\$4,252,723			
SUB-TOTAL			\$29,268,741			
Non-refundable GST		1.60%	\$468,300			
CAPITAL COST TOTAL (Janua	ry 2025 \$)		\$29,737,041			
Escalation			\$7,756,977			
CAPITAL COST TOTAL			\$37,494,018			

BRSD - Elementary and Middle Schools Option 2b - Jack Stuart Modernization K-5 School - Jaguar Lair

PROGRAM AREA (m²)		A Demolition	B Preservation	C New	D Modulars	Total (B+C+D+E)
Demolition		247				0
Modernization	-		2,906			2,906
Addition	_			544		544
	TOTAL:	247	2,906	544	0	3,450
CAPITAL COST						
A Demolition						
Demolition	247 m²	\$225.00	\$55,575			
Hazmat	247 m²	\$250.00	\$61,750			
Selective Demo	2,906 m²	\$200.00	\$581,200			
Selective Demo Hazmat	2,906 m²	\$250.00	\$726,500			
	A D	emolition Net :	\$1,425,025			
Preservation/Modernization				_		
Major Modernization	2,906 m²	\$4,786.18	\$13,908,634			
	B Preservation/Mode	ernization Net :	\$13,908,634			
New/Expansion				_		
Addition	544 m²	\$5,982.72	\$3,254,601			
	C New/E	xpansion Net :	\$3,254,601			
Modulars				_		
n/a	0 no	\$0.00	\$0			
	D	Modular's Net :	\$0			
Other				_		
n/a	0 m	\$0.00	\$0			
		Other Net:	\$0			
Contingencies			\$18,588,260			
Location	-	10.0%	\$1,858,826			
Project	-	0.0%	\$0			
Construction		10.0%	\$1,858,826			
	Z Cont	ingencies Net :	\$3,717,652			
	(A+B+C+D+E+Z) Cor	struction Net :	\$22,305,913			
		\$/m² GFA:	\$6,465	_		
oft/Other Costs Land Purchase	0 acre	\$0.00	\$0			
Site Services	0 acre	\$0.00	\$0			
Project Admin	U acie	2.0%	\$446,118			
Programming	-	0.0%	\$0			
Design Fees	-	8.0%	\$1,784,473			
Furnishings & Equipment	-	7.0%	\$1,561,414			
IT	-	0.0%	\$0			
CTS Equipment	Г	0.00 ls	\$0			
Decanting	Ļ	0.0%	\$0	excluded		
		Soft/Other Net :	\$3,792,005			
SUB-TOTAL			\$26,097,918			
Non-refundable GST	-	1.60%	\$417,567			
CAPITAL COST TOTAL (Jan	uary 2025 \$)	1.00 /0	\$26,515,484			
Escalation	-	I	\$7,049,052			
			ψ.,υ.ο,υυΔ			



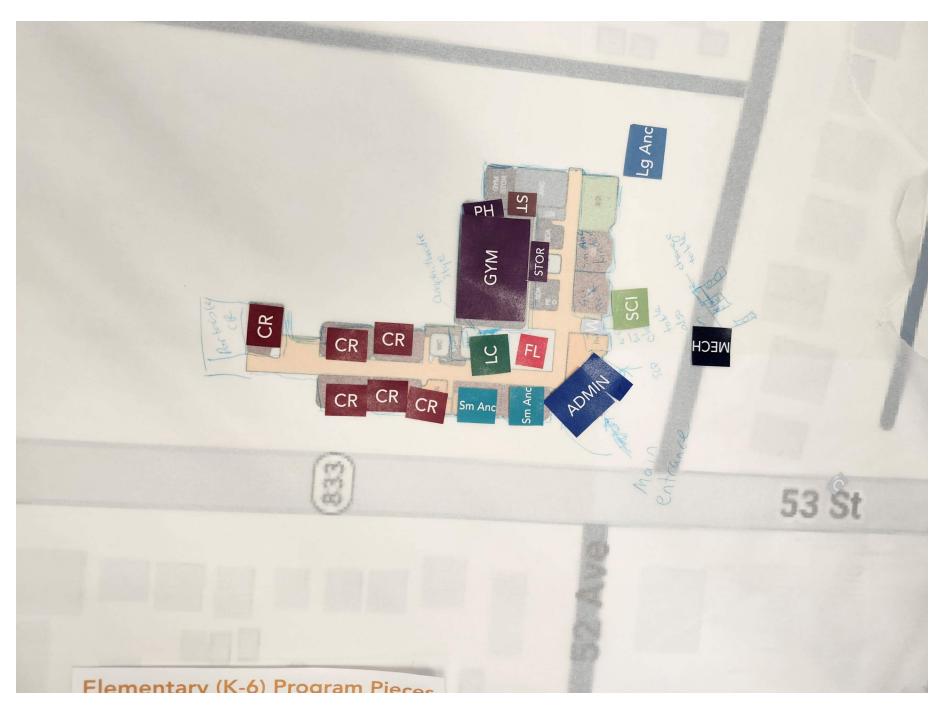
BRSD - Elementary and Middle Schools Option 3a - Replacement for Sifton K-5 School

PROGRAM AREA (m²)		A Demolition	B Preservation	C New	D Modulars	Total (B+C+D+E)
Existing School		2,802				0
Replacement Facility	_			3,159		3,159
	TOTAL :	2,802	0	3,159	0	3,159
CAPITAL COST						
A Demolition		,				
Existing School	2,802 m²	\$225.00	\$630,450			
Hazmat	2,802 m²	\$250.00	\$700,500			
	A D	emolition Net:	\$1,330,950			
Preservation/Modernization						
n/a	0 m²	\$0.00	\$0			
	B Preservation/Mode	ernization Net :	\$0			
New/Expansion				_		
Replacement Facility	3,159 m²	\$5,982.72	\$18,899,422			
	C New/E	xpansion Net :	\$18,899,422			
Modulars				_		
n/a	0 no	\$0.00	\$0			
	DI	Modular's Net :	\$0			
Other				_		
n/a	0 m	\$0.00	\$0			
		Other Net :	\$0			
. Contingencies			\$20,230,372	_		
Location	=	10.0%	\$2,023,037			
Project	-	0.0%	\$0			
Construction	- -	3.0%	\$606,911			
	Z Conti	ngencies Net :	\$2,629,948			
	(A+B+C+D+E+Z) Con	struction Net :	\$22,860,320			
		\$/m² GFA:	\$7,237	_		
oft/Other Costs		1	1			
Land Purchase	0 acre	\$0.00	\$0			
Site Services	0 acre	\$0.00	\$0			
Project Admin	-	2.0%	\$457,206			
Programming	-	0.0%	\$0			
Design Fees	=	8.0% 7.0%	\$1,828,826			
Furnishings & Equipment IT	_	0.0%	\$1,600,222 \$0			
CTS Equipment	Г	0.0%	\$0			
Decanting	L	0.0%	\$0	excluded		
		oft/Other Net :	\$3,886,254			
SUB-TOTAL			\$26,746,574			
	-	1.60%				
Non-refundable GST CAPITAL COST TOTAL (Janua	ry 2025 \$)	1.00%	\$427,945 \$27,174,520			
Escalation	-		\$7,083,862			
			Ψ1,000,002			

BRSD - Elementary and Middle Schools

Option 3b - Modernization for Sifton K-5 School - The Shifton

PROGRAM AREA (m²)		A Demolition	B Preservation	C New	D Modulars	Total (B+C+D+E)
Demolition		1,331				
Modernization	-	0	1,471			1,47
Addition	_			1,688		1,68
	TOTAL:	1,331	1,471	1,688	0	3,15
APITAL COST						
Demolition						
Demolition	1,331 m²	\$225.00	\$299,475			
Hazmat	1,331 m²	\$250.00	\$332,750			
Selective Demo	1,471 m²	\$225.00	\$330,975			
Selective Demo Hazmat	1,471 m²	\$250.00	\$367,750			
	A D	emolition Net :	\$1,330,950			
Preservation/Modernization				_		
Major Modernization	1,471 m²	\$4,786.18	\$7,040,468			
	B Preservation/Mode	ernization Net :	\$7,040,468			
New/Expansion				_		
Addition	1,688 m²	\$5,982.72	\$10,098,836			
	C New/E	xpansion Net :	\$10,098,836			
Modulars				_		
n/a	0 no	\$0.00	\$0			
	DI	Modular's Net :	\$0			
Other			•			
n/a	0 m	\$0.00	\$0			
		Other Net :	\$0			
Contingencies	-		\$18,470,255			
Location	_	10.0%	\$1,847,025			
Project	_	0.0%	\$0			
Construction	_	10.0%	\$1,847,025			
	Z Cont	ingencies Net :	\$3,694,051			
	(A+B+C+D+E+Z) Cor	struction Net :	\$22,164,305			
- #104h 0 4 -		\$/m² GFA:	\$7,016	_		
oft/Other Costs Land Purchase	0 acre	\$0.00	\$0			
Site Services	0 acre	\$0.00	\$0			
Project Admin		2.0%	\$443,286			
Programming	-	0.0%	\$0			
Design Fees	-	8.0%	\$1,773,144			
Furnishings & Equipment	-	7.0%	\$1,551,501			
IT	-	0.0%	\$0			
CTS Equipment	Г	0.00 ls	\$0			
Decanting	L	0.0%	\$0	excluded		
	<u>-</u>	Soft/Other Net :	\$3,767,932			
SUB-TOTAL			\$25,932,237			
Non-refundable GST	-	1.60%	\$414,916			
CAPITAL COST TOTAL (January	uary 2025 \$)		\$26,347,153			
Escalation	-		\$15,129,959			
CAPITAL COST TOTAL			\$41,477,112			



BRSD - Elementary and Middle Schools Option 4a - Replacement for Sparling K-5 School

PROGRAM AREA (m²)		A Demolition	B Preservation	C New	D Modulars	Total (B+C+D+E)
Existing School		2,554				
Replacement Facility	•			2,597		2,59
	TOTAL :	2,554	0	2,597	0	2,59
CAPITAL COST						<u> </u>
A Demolition						
Demo School	2,554 m²	\$225.00	\$574,650			
Hazmat	2,554 m²	\$250.00	\$638,500			
· MATTIME	A [Demolition Net :	\$1,213,150			
3 Preservation/Modernization				_		
n/a	0 m²	\$0.00	\$0			
.,_	B Preservation/Mod		\$0			
C New/Expansion				_		
Replacement Facility	2,597 m²	\$5,982.72	\$15,537,131			
	C New/E	Expansion Net :	\$15,537,131			
O Modulars				_		
n/a	0 no	\$0.00	\$0			
	D	Modular's Net :	\$0			
Other				_		
n/a	0 m	\$0.00	\$0			
		Other Net:	\$0			
Z Contingencies			\$16,750,281	_		
Location		10.0%	\$1,675,028			
Project		0.0%	\$0			
Construction		3.0%	\$502,508			
	Z Cont	ingencies Net :	\$2,177,537			
	(A+B+C+D+E+Z) Co		\$18,927,818			
		\$/m² GFA:	\$7,288	_		
Soft/Other Costs Land Purchase	0 acre	\$0.00	\$0			
Site Services	0 acre	\$0.00	\$0			
Project Admin	0 4010	2.0%	\$378,556			
Programming	•	0.0%	\$0			
Design Fees	•	8.0%	\$1,514,225			
Furnishings & Equipment	•	7.0%	\$1,324,947			
IT		0.0%	\$0			
CTS Equipment		0.00 ls	\$0			
Decanting		0.0%	\$0	excluded		
	!	Soft/Other Net:	\$3,217,729			
SUB-TOTAL			\$22,145,547			
Non-refundable GST	•	1.60%	\$354,329			
CAPITAL COST TOTAL (Jar	nuary 2025 \$)		\$22,499,876			
Escalation	•		\$5,879,073			
CAPITAL COST TOTAL			\$28,378,948			

BRSD - Elementary and Middle Schools

Option 4b - Modernization for Sparling K-5 School - The "L"

ROGRAM AREA (m²)		A Demolition	B Preservation	C New	D Modulars	Total (B+C+D+E)
Demolition		0				0
Modernization	_		2,554			2,554
Addition	_			43		43
	TOTAL:	0	2,554	43	0	2,597
APITAL COST						
Demolition						
Selective Demo	2,554 m²	\$200.00	\$510,800			
Selective Demo Hazmat	2,554 m²	\$250.00	\$638,500			
	A D	emolition Net :	\$1,149,300			
Preservation/Modernization				_		
Major Modernization	2,554 m²	\$4,786.18	\$12,223,899			
	B Preservation/Mode	B Preservation/Modernization Net : \$12,2				
New/Expansion				_		
Addition	43 m²	\$5,982.72	\$257,257			
	C New/E	xpansion Net :	\$257,257			
Modulars				_		
n/a	0 no	\$0.00	\$0			
	DI	Modular's Net :	\$0			
Other				_		
n/a	0 m	\$0.00	\$0			
		Other Net :	\$0			
Contingencies			\$13,630,456	_		
Location	_	10.0%	\$1,363,046			
Project	_	0.0%	\$0			
Construction	-	10.0%	\$1,363,046			
	Z Cont	ingencies Net :	\$2,726,091			
	(A+B+C+D+E+Z) Cor		\$16,356,548			
oft/Other Costs		\$/m² GFA:	\$6,298	_		
Land Purchase	0 acre	\$0.00	\$0			
Site Services	0 acre	\$0.00	\$0			
Project Admin	<u>-</u>	2.0%	\$327,131			
Programming	-	0.0%	\$0			
Design Fees	-	8.0%	\$1,308,524			
Furnishings & Equipment	-	7.0%	\$1,144,958			
IT	-	0.0%	\$0			
CTS Equipment	[0.00 ls	\$0			
Decanting	-	0.0%	\$0	excluded		
	5	oft/Other Net:	\$2,780,613			
SUB-TOTAL			\$19,137,161			
Non-refundable GST	-	1.60%	\$306,195			
CAPITAL COST TOTAL (Janu	ıary 2025 \$)	-	\$19,443,355			
Escalation	-		\$5,557,882			
CAPITAL COST TOTAL			\$25,001,237			

Addition to Chester Ronning to re-grade to K-9

BRSD - Elementary and Middle Schools Option 5 - Addition to Chester Ronning to re-grade to K-9

PROGRAM AREA (m²)		A Demolition	B Preservation	C New	D Modulars	Total
						(B+C+D+E)
Existing School	_		3,250			3,250
Replacement Facility	-			4 227		
Addition	_			4,337		
	TOTAL :	0	3,250	4,337	0	7,587
CAPITAL COST						
Demolition						
Demo School	0 ls	\$225.00	\$0			
Hazmat	0 m ²	\$250.00	\$0			
	A D	emolition Net:	\$0			
Preservation/Modernization				_		
Existing	3,250 m²	\$0.00	\$0	Existing is new	school	
	B Preservation/Mode	B Preservation/Modernization Net :				
New/Expansion				_		
Replacement Facility	0 m²	\$0.00	\$0			
Addition	4,337 m²	\$5,252.27	\$22,779,106			
	C New/E	xpansion Net :	\$22,779,106			
Modulars		•		_		
n/a	0 no	\$0.00	\$0			
	10	Modular's Net :	\$0			
Other		nodulai 3 NCC .		_		
Allowance for tie ins	1 ls	\$250,000.00	\$250,000			
, mondinos for no mo	•	Other Net :	\$250,000			
Contingencies			\$23,029,106	_		
Location	-	10.0%	\$2,302,911			
Project	-	0.0%	\$0			
Construction	<u>-</u>	3.0%	\$690,873			
	Z Conti	ngencies Net :	\$2,993,784			
	(A+B+C+D+E+Z) Construction Net :		\$26,022,889			
	,	\$/m² GFA:	\$3,430	_		
oft/Other Costs	0	#0.00	1 0			
Land Purchase Site Services	0 acre	\$0.00 \$0.00	\$0 \$0			
Project Admin	U acre	2.0%	\$520,458			
Programming	=	0.0%	\$0			
Design Fees	-	8.0%	\$2,081,831			
Furnishings & Equipment	-	7.0%	\$1,821,602			
IT	=	0.0%	\$0			
CTS Equipment	Г	1.00 ls	\$100,000	1 stream		
Decanting	-	0.0%	\$0	excluded		
	8	oft/Other Net:	\$4,523,891			
SUB-TOTAL			\$30,546,781			
Non-refundable GST	<u> </u>	1.60%	\$488,748			
CAPITAL COST TOTAL (Janu	uary 2024 \$)		\$31,035,529			
Escalation			\$7,037,055			
CAPITAL COST TOTAL			\$38,072,584			

New K-9 - 905 Capacity

BRSD - Elementary and Middle Schools Option 6 - New K-9 School

CALCULATIONS AND ASSUMPTIONS

PROGRAM AREA (m²)		A Demolition	B Preservation	C New	D Modulars	Total (B+C+D+E)
Existing School - 4 Existing Schools		14,165		7.507		0
New Facility	TOTAL :	14,165		7,587 7,587		7,587 7,587
CAPITAL COST						
A Demolition						
Existing School - 4 Existing School	14,165 m²	\$225.00	\$3,187,125			
Hazmat	14,165 m²	\$250.00	\$3,541,250			
_	ΑD	emolition Net :	\$6,728,375			
B Preservation/Modernization				_		
n/a	0 m²	\$0.00	\$0			
ВЕ	Preservation/Mod	ernization Net:	\$0			
C New/Expansion						
New Facility	7,587 m²	\$5,252.27	\$39,848,991			
	C New/E	Expansion Net :	\$39,848,991			
O Modulars				_		
n/a _	0 no	\$0.00	\$0			
	D	Modular's Net :	\$0			
E Other				_		
n/a	0 m	\$0.00	\$0			
		Other Net:	\$0			
Z Contingencies			\$46,577,366	_		
Location		10.0%	\$4,657,737			
Project	-	0.0%	\$0			
Construction	-	3.0%	\$1,397,321			
		ingencies Net :	\$6,055,058			
(A+	-B+C+D+E+Z) Coi		\$52,632,424			
Soft/Other Costs		\$/m² GFA:	\$6,937	_		
Land Purchase	0 acre	\$0.00	\$0			
Site Services	0 acre	\$0.00	\$0			
Project Admin		2.0%	\$1,052,648			
Programming		0.0%	\$0			
Design Fees	-	8.0%	\$4,210,594			
Furnishings & Equipment	-	7.0%	\$3,684,270			
IT CTS Fautinment	Г	0.0% 1.00 ls	\$0 \$100,000	1 atraama @ 10	101Z	
CTS Equipment Decanting	Į	0.0%	\$100,000	1 streams @ 10 excluded	JUK	
December		Soft/Other Net :	\$9,047,512	CXGIGGCG		
SUB-TOTAL		JOIN OUT HEL .	\$61,679,936			
Non-refundable GST	-	1.60%	\$986,879			
CAPITAL COST TOTAL (January 2	024 \$)	1.00%	\$986,879 \$62,666,815			
Escalation	•	T	\$16,797,865			
CAPITAL COST TOTAL			\$16,797,865 \$ 79,464,680			

Elementary & Middle Schools Value Scoping Session Camrose, Alberta

Capital Cost Analysis January 08 & 09, 2025

5. Escalated Cash Flows

BRSD - Elementary and Middle Schools Option 1a - Replacement for Charlie Killam 6-8 School

Escalated Cashflow January 8, 2025

						6.0	00%			6.00)%			6.0	0%			6.0	0%			5.5	0%	
						20)25			202	26			20	27			20	28			20	29	
Cost Category	Duration # months	Start	Cost	Escalated Cost	A M J 13 14 15 1st Quarter	J A S 16 17 18 2nd Quarter	0 N D 19 20 21 3rd Quarter	J F M 22 23 24 4th Quarter	A M J 25 26 27 1st Quarter	J A S 28 29 30 2nd Quarter	O N D 31 32 33 3rd Quarter	J F M 34 35 36 4th Quarter	A M J 37 38 39 1st Quarter	J A S 40 41 42 2nd Quarter	O N D 43 44 45 3rd Quarter	J F M 46 47 48 4th Quarter	A M J 49 50 51 1st Quarter	J A S 52 53 54 2nd Quarter	O N D 55 56 57 3rd Quarter	J F M 58 59 60 4th Quarter	0. 00		O N D 67 68 69 3rd Quarter	J F M 70 71 72 4th Quarter
A HARD COSTS																								
A Demolition	8	63	2,686,600	Escalated Dollar			-				-					-	-	-			138,719	1,700,228	1 1 1 1	143,109
B Preservation/Modernization	1	0	0	Escalated Dollar		-			-	-	-					-	-	-	-					
C New/Expansion	20	37	33,323,767	Escalated Dollar			<u> </u>			-			2.189.295	6.171.432	1 1 1 8.904,234	9.744.319	1 1 1 8.454.957	1 1 1 5.255.428	1.066.867					_
D Modulars	1	0	0	Escalated Dollar									2,100,200	-,,,,,	.,,,	-,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		.,	1,000,000					
E Other	1	0	0	Escalated Dollar																				
Z Contingencies	34	37	4,681,348	Escalated Dollar									1 1 1	319,136	1 1 1 1	1 1 1	1 1 1 782.011	1 1 1	1 1 1 1	1 1 1 1 752.438	1 1 1	1 1 1	1 1 1	13.97
Total Escalate	ed Hard Co	osts : (A)	\$40.691.714	\$51.562.590					- 1	-			2,297,016	6,490,568	9,416,204	10,414,901	9,236,968	6,091,476	1,893,431	752,438	756,162	2,130,826	1,925,517	157,083
S SOFT COSTS			4.0100.11	40.100-1000																				
Land Purchase	1	0	0	0 Cashflow	-	-	_	-	-	-	-	-	_	_	-	-	-	-	_	-	-	-	_	_
Site Services	1	0	0	0 Cashflow		_	<u> </u>	_					_			_						_		
Project Admin	46	25	813,834	17,692 Cashflow		_		_	60,233	61,127	62.022	62,916	63.847	64.795	65,743	1 1 1	1 1 1 67,677	1 1 1	1 1 1 1	70,693	71.679	72.656	73,632	24.76
Design Fees			\$3,255,337	Odomion					00,200	01,127	OL,OLL	02,010	00,041	04,700	00,140	00,001	07,077	00,000	00,000	70,000	71,070	72,000	70,002	24,70
Design 80.00%	12	25	2,604,270	217,022 Cashflow	-	-	_	-	738.855	749.828	760.801	771,774	i	_	-	-	-	_	_	-		-	_	
Construct 20.00%	34	37	651,067	19,149 Cashflow		_	_				_		1 1 1 69,105	1 1 1 70.131	1 1 1 71.157	72,184	1 1 1 73.251	74,339	1 1 1 75.427	1 1 1 76.515	1 1 1 77.582	1 1 1 78,639	1 1 1 79.696	26.80
Furnishings & Equipment	6	57	2,848,420	474,737 Cashflow		_	_			-	_		_						626.315	1.896.924	1.279.345	_	_	
CTS Equipment	6	57	200,000	33,333 Cashflow		_	_	_	_			_	_	_	_		_		43,976	1 1 1 1	1 1 89.828		_	_
Decanting	1	0	0	0 Cashflow											_				-10,810	133,191				
Non-refundable GST	46	25	764,949	Cashflow				_	1 1 1	1 1 1	1 1 1	1 1 1	1 1 1 1	1 1 1 1	1 1 1	1 1 1	1 1 1	1 1 1	1 1 1 1	1 1 1 1	1 1 1	1 1 1	1 1 1	16,62
Total Cashflow	ed Soft Co	nete · (R)	\$7.882.540	\$9.727.453					848.975	860.843	872,711	884,578	182.839	184.814	186,788	188.763	190.816	192,909	865,293		1.568.322	201.183	203,216	68,19
SUB-TOTAL			. , , . , ,																		,			
Total Hard & S		_		\$61,290,043				-	848,975	860,843	872,711	884,578	2,479,855	6,675,382		10,603,663	9,427,784	6,284,386		2,979,649	2,324,484	2,332,009		225,274
The state of the s	FISCAL CA	ASHFLOW	\$12,715,789	\$61,290,043				-			3	,467,108	l		29	,361,892			2	1,450,543			7	,010,500

BRSD - Elementary and Middle Schools Option 1b - Modernization for Charlie Killam 6-8 School - Goots Hoots Middle School

						6.0	00%			6.0	0%			6.0	0%			6.0	0%			5.5	0%	
						20	25			20	26			20	27			20	28			20	29	
Cost Category	Duration # months	Start	Cost	Escalated Cost	A M J 13 14 15	J A S 16 17 18 2nd Quarter	O N D 19 20 21 3rd Quarter	J F M 22 23 24 4th Quarter	A M J 25 26 27	28 29 30	0 N D 31 32 33 3rd Quarter	J F M 34 35 36	37 38 39	40 41 42	O N D 43 44 45 3rd Quarter	J F M 46 47 48	A M J 49 50 51	J A S 52 53 54	0 N D 55 56 57 3rd Quarter	J F M 58 59 60 4th Quarter	61 62 63	J A S 64 65 66 2nd Quarter	67 68 69	9 70 71
HARD COSTS					TOT QUARTE	Zild Quarto	ord addition	401 Quarter	TOT QUARTE	Zilo Qualto	ord Quarter	401 Qualter	Tot Quarter	Zilo Quarter	ord quarter	4iii Quartoi	TOT QUALITY	End Quarter	ord quarter	401 Quarter	Tot Quarter	Zild Qualter	ord quarter	401 Q00
A Demolition	18	37	2,572,025					1					1 1 1	1 1 1	1 1 1	1 1 1	1 1 1	1 1 1						$\overline{}$
				Escalated Dollar	-	-		-	-		-	-	207,704	574,971	796,584	807,831	599,860	222,479	-		-	-	-	
B Preservation/Modernization	20	45	21,935,055	Escalated Dollar											168.058	2,465,221	4.967.151	6.444.011	6.536.716	5.183.947	2.643.351	184,011		1
C New/Expansion	8	39	5,904,947					·					1	1 1 1	1 1 1	1	4,807,131	0,444,011	0,000,710	3,103,847	2,043,331	104,011		_
DM-dd	-			Escalated Dollar			-				-	-	271,688	3,332,906	3,375,804	281,057	-		-				<u> </u>	
D Modulars	'	0	0	Escalated Dollar	-	-	-			-	-	-	-	-		-	-	-	-				-	+
E Other	1	0	0	Escalated Dollar																		$\overline{}$		1
Z Contingencies	30	37	6,082,406			-		-					1 1 1	1 1 1	1 1 1	1 1 1	1 1 1	1 1 1	1 1 1	1 1 1	1 1 1	1 1 1		_
				Escalated Dollar									179,443	527,700	833,662	1,065,448	1,198,385	1,216,050	1,112,938	895,828	583,010	203,353		
Total Escalate	ted Hard Co	osts : (A)	\$36,494,433	\$46,879,168								-	658,835	4,435,577	5,174,107	4,619,557	6,765,396	7,882,541	7,649,654	6,079,775	3,226,361	387,364		
OFT COSTS																								_
Land Purchase	'	0	U	Cashflow	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	+
Site Services	1	0	0	0 Cashflow																				=
Project Admin	42	25	729,889	17,378		-	-	-	1 1 1	1 1 1	1 1 1	1 1 1	1 1 1	1 1 1	1 1 1	1 1 1	1 1 1	1 1 1	1 1 1	1 1 1	1 1 1	1 1 1	-	+-
1 Toject Admin	72	25	723,003	Cashflow	-	-	-	-	59,165	60,043	60,922	61,801	62,714	63,646	64,577	65,509	66,477	67,465	68,452	69,439	70,408	71,367	-	+-
Design Fees			\$2,919,555																					
Design 80.00%	12	25	2,335,644	194,637 Cashflow	-				662.643	672.484	682.326	692,167										\equiv	$\overline{}$	1
Construct 20.00%	5 28	37	583,911	20,854		-		_	002,043	072,404	002,320	092,107	1 1 1	1 1 1	1 1 1	1 1 1	1 1 1	1 1 1	1 1 1	1 1 1	1 1 1	1		+
				Cashflow		-	-	-			-	-	75,257	76,375	77,493	78,610	79,773	80,958	82,142	83,327	84,489	28,419	-	Ī
Furnishings & Equipment	8	59	2,554,610	319,326																1 1	1 1 1	1 1 1		
CTS Equipment	8	59	200,000	Cashflow 25,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	852,646	1,293,743	1,311,371	_	+-
o ro Equipmon	"	00	200,000	Cashflow	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	66,753	101,287	102,667	-	+-
Decanting	1	0	0	0																	. ,			1
				Cashflow		-	-	-	-	-	-	-	-	-	-			-	-	-	-	-	-	1
Non-refundable GST	42	25	686,376	Cashflow		-	-	-	1 1 1 1	1 1 1 1	1 1 1 49,027	1 1 1 1	1 1 1 1	1 1 1 49,027	1 1 1 49,027	1 1 1 49,027	49,027	1 1 1 49,027	1 1 1 1	49,027	1 1 1 49,027	1 1 1 1	-	+-
Total Cashflow	ved Soft Co	osts : (B)	\$7,090,429	\$8,783,291			-		770,835	781,554	792,274	802,994	186,999	189,048	191,097	193,146	195,277	197,449	199,621	1,121,192	1,598,954	1,562,851	-	+
B-TOTAL		1-7					•	•																
Total Hard & S	Soft Costs	: (A + B)	\$43,584,863	\$55,662,458					770,835	781,554	792,274	802,994	845,834	4,624,624	5,365,204	4,812,703	6,960,673	8,079,990	7,849,275	7,200,967	4,825,315	1,950,215		T
	FISCAL CA	SHFLOW	\$12,077,596	\$55,662,458				-			3	3,147,658			15.	648,366			30	,090,905				6,775,

BRSD - Elementary and Middle Schools Option 2a - Jack Stuart Replacement K-5 School

						6.0	0%			6.0	0%			6.0	0%			6.0	0%			5.50)%	
						20	25			20	26			20	27			20	28			202	29	
Cost Category	Duration # months	Start	Cost	Escalated Cost	A M J 13 14 15 1st Quarter	J A S 16 17 18 2nd Quarter	0 N D 19 20 21 3rd Quarter	J F M 22 23 24 4th Quarter	A M J 25 26 27 1st Quarter	J A S 28 29 30 2nd Quarter	O N D 31 32 33 3rd Quarter	J F M 34 35 36 4th Quarter	A M J 37 38 39 1st Quarter	J A S 40 41 42 2nd Quarter	O N D 43 44 45 3rd Quarter	J F M 46 47 48 4th Quarter	A M J 49 50 51 1st Quarter	J A S 52 53 54 2nd Quarter	O N D 55 56 57 3rd Quarter	J F M 58 59 60 4th Quarter	A M J 61 62 63 1st Quarter	J A S 64 65 66 2nd Quarter	67 68 69	J F M 70 71 72 4th Quarter
A HARD COSTS																								
A Demolition	8	63	1,497,675	Escalated Dollar			-		-								-				77,330	947,811	959,017	79,778
B Preservation/Modernization	1	0	0	Escalated Dollar				-			-		-	-	_					-			_	
C New/Expansion	20	37	20,640,394	Escalated Dollar									1 1 1	1 1 1 3.822.521	5.515.190	1 1 1 6.035.530	5.236.912	1 1 1 3,255,157	1 1 660,806					
D Modulars	1	0	0	Escalated Dollar					_			-		-		-								
E Other	1	0	0	Escalated Dollar																		_		_
Z Contingencies	34	37	2,877,949	Escalated Dollar		-	-	-	-			-	1 1 1 66,224	1 1 1	1 1 1	1 1 1 412,253	1 1 1 1	1 1 1 1	1 1 1 508,146	1 1 1	1 1 1 1 379,585	1 1 1 264,718	1 1 1	8,591
Total Escal	ated Hard Co	sts : (A)	\$25,016,018	\$31,679,986							-	-	1,422,250	4,018,716	5,829,933	6,447,783	5,717,669	3,769,134	1,168,953	462,576	456,916	1,212,530	1,085,159	88,369
B SOFT COSTS			,,																					
Land Purchase	1	0	0	0 Cashflow		-	-	-	-	-	_		-	-	-	-	-	-	-		-	-	-	-
Site Services	1	0	0	0 Cashflow	-	-	-	-	-		_	_	-	-		-	-	-	-		-	-	-	
Project Admin	46	25	500,320	10,877 Cashflow		-	-	-	1 1 1 37.029	1 1 1 37,579	38,129	1 1 1 38.679	1 1 1 39.251	39.834	40.417	41,000	41,606	1 1 1	1 1 1 42.842	43,460	1 1 1 44,066	1 1 1 44,666	1 1 1 45.267	15,222
Design Fees			\$2,001,281											,		,	,					,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
Design 80.00	0% 12	25	1,601,025	133,419 Cashflow	-	-	-	-	454,225	460,971	467,717	474,463	-	-	-		-	-	-	-	-	-	-	
Construct 20.00	0% 34	37	400,256	11,772 Cashflow	-	-	-	-	-	-	-	-	42,483	43,114	43,745	44,376	45,032	45,701	46,370	47,039	1 1 1 47,695	1 1 1 48,345	48,995	16,476
Furnishings & Equipment	6	57	1,751,121	291,854 Cashflow	-	-	-	-	-	-	-	-	-	-	-	-		-	385,039	1,166,171	1 1 786,502	-		
CTS Equipment	6	57	0	0 Cashflow	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	_
Decanting	1	0	0	0 Cashflow		-	-	-	_	-	_	-	-	-	-	-	-	-	ļ .	-	-	-	-	
Non-refundable GST	46	25	468,300	Cashflow					30,541	1 1 1 30,541	1 1 1 1	30,541	1 1 1 30,541	1 1 1 30,541	1 1 1	1 1 1 1	1 1 1 30,541	1 1 1 30,541	1 1 1 1	1 1 1	1 1 1 30,541	1 1 1 1	1 1 1	10,180
Total Cashfle	owed Soft Co	sts: (B)	\$4,721,023	\$5,814,032					521,796	529,092	536,387	543,683	112,276	113,490	114,703	115,917	117,180	118,466	504,792	1,287,211	908,804	123,553	124,803	41,879
SUB-TOTAL											·													
Total Hard	Total Hard & Soft Costs: (A + B) \$29,737,041								521,796	529,092	536,387	543,683	1,534,526	4,132,205	5,944,637	6,563,700	5,834,849	3,887,601	1,673,745	1,749,786	1,365,720	1,336,082	1,209,962	130,247
	FISCAL CASHFLOW \$7,756,977							-			2	,130,958			18	3,175,068			13	3,145,980		·	4	,042,012

BRSD - Elementary and Middle Schools Option 2b - Jack Stuart Modernization K-5 School - Jaguar Lair

Escalated Cashflow January 8, 2025

						6.00	%			6.0	0%			6.0	0%			6.0	0%			5.5	0%	
						202	:5			20	26			20	27			20	28			20:	29	
Cost Category	Duration # months	Start	Cost	Escalated Cost	A M J J 13 14 15 16 1st Quarter 2	6 17 18		J F M 2 23 24 4th Quarter	A M J 25 26 27 1st Quarter	J A S 28 29 30 2nd Quarter	O N D 31 32 33 3rd Quarter	J F M 34 35 36 4th Quarter	A M J 37 38 39 1st Quarter	J A S 40 41 42 2nd Quarter	O N D 43 44 45 3rd Quarter	J F M 46 47 48 4th Quarter	A M J 49 50 51 1st Quarter	J A S 52 53 54 2nd Quarter	O N D 55 56 57 3rd Quarter	J F M 58 59 60 4th Quarter	A M J 61 62 63 1st Quarter	J A S 64 65 66 2nd Quarter	O N D 67 68 69 3rd Quarter	70 71
HARD COSTS																								
A Demolition - Holy Redeemer	18	37	117,325	Escalated Dollar		-				-	-		9,475	26,228	36,337	36,850	27,363	1 1 1		-	-	-		=
B Preservation/Modernization	20	45	13,908,634	Escalated Dollar											106.563	1.563.154	3.149.584	1 1 1 4 086 035	4.144.817	3,287,050	1 1 1 1	116.678		1
C New/Expansion	8	39	3,254,601	Escalated Dollar									149.745	1.836.982	1 1 1	154,909	0,140,004	4,000,000	4,144,017	0,207,000	1,070,100	110,070		—
D Modulars	1	0	0	Escalated Dollar									145,743	1,030,802	1,000,023	134,808		_						\pm
E Other	1	0	0	Escalated Dollar									-		-	_					_	-		=
Z Contingencies	30	37	3,717,652	Escalated Dollar	-								1 1 1	1 1 1 1	1 1 1	1 1 1	1 1 1 1	1 1 1 1	1 1 1	1 1 1	1 1 1 1	1 1 1		_
Total Escalat	ed Hard Co	osts : (A)	\$20.998.213	\$27.055.782					٠		-	-	268.898	2.185.747	2.513.071	2.406.129	3.909.416	4.839.451	4.825.060	3.834.593	2.032.447	240.970	÷	
OFT COSTS	ou mara oc	7010 . (7-)	\$20,000,E10	\$27,000,70E									,	2,100,111	2,010,01	-,,.	0,000,110	1,000,101	1,020,000	-1011	-,,		-	_
Land Purchase	1	0	0	0 Cashflow	_							_	-		_	_	_	_		_	_	_		=
Site Services	1	0	0	0 Cashflow											_			_						1
Project Admin	42	25	446,118	10,622 Cashflow	_	_		_	1 1 1 36,162	36,699	37,236	37,773	1 1 1 38.332	38.901	39.471	1 1 1	40.632	41,235	41.839	1 1 1	43.034	43.621		=
Design Fees			\$1,784,473	Guornion					00,102	00,000	07,200	01,110	00,002	00,001	00,411	40,040	40,002	41,200	41,000	72,772	40,004	40,021		+
Design 80.00%	12	25	1,427,578	118,965 Cashflow	-	-	-		1 1 1 405.017	411.032	1 1 1 417.047	423.062	-	-	_	-	-	-		-	-	-	_	1
Construct 20.00%	28	37	356,895	12,746 Cashflow	_	_			_	_		_	45.998	46.681	47.365	1 1 1	48,758	1 1 1	50,207	50,931	1 1 1 51.641	17,370		1
Furnishings & Equipment	8	59	1,561,414	195,177 Cashflow						_	_		-	-	-	-	-	-		521,149	790,754	801,528		1
CTS Equipment	8	59	0	0 Cashflow	_	_			_		_	_			-		_	_		-	-	-		1
Decanting	1	0	0	0 Cashflow											-									=
Non-refundable GST	42	25	417,567	Cashflow	-		-		1 1 1	1 1 1	1 1 1	1 1 1 1	1 1 1	1 1 1 1 29,826	1 1 1	1 1 1	1 1 1	1 1 1	1 1 1 1	1 1 1 29,826	1 1 1	1 1 1	-	
Total Cashflow	ved Soft Co	osts : (B)	\$4,209,572	\$5,201,055	-	-	-	-	471,005	477,557	484,110	490,662	114,156	115,409	116,661	117,914	119,216	120,544	121,871	644,348	915,256	892,345	-	_
B-TOTAL		\ <u>-</u> /-	. ,			<u>'</u>								.,										
Total Hard &	Soft Costs	: (A + B)	\$25,207,784	\$32,256,837	-				471,005	477,557	484,110	490,662	383,055	2,301,156	2,629,732	2,524,043	4,028,633	4,959,994	4,946,932	4,478,941	2,947,702	1,133,316		Τ
	FISCAL CA	SHFLOW	\$7,049,052	\$32,256,837				-			1	,923,334			7	,837,985			18	,414,500			-	4,081,0

BRSD - Elementary and Middle Schools Option 3a - Replacement for Sifton K-5 School

						6.0	00%			6.00)%			6.0	0%			6.0	0%			5.50)%	
						20)25			20:	26			20	27			20	28			202	29	
Cost Category	Duration # months	Start	Cost	Escalated Cost	A M J 13 14 15 1st Quarter	J A S 16 17 18 2nd Quarter	0 N D 19 20 21 3rd Quarter	J F M 22 23 24 4th Quarter	A M J 25 26 27 1st Quarter	J A S 28 29 30 2nd Quarter	O N D 31 32 33 3rd Quarter	J F M 34 35 36 4th Quarter	A M J 37 38 39 1st Quarter	J A S 40 41 42 2nd Quarter	O N D 43 44 45 3rd Quarter	J F M 46 47 48 4th Quarter	A M J 49 50 51 1st Quarter	J A S 52 53 54 2nd Quarter	O N D 55 56 57 3rd Quarter	J F M 58 59 60 4th Quarter	A M J 61 62 63 1st Quarter	J A S 64 65 66 2nd Quarter	67 68 69 7	J F M 70 71 72 4th Quarter
A HARD COSTS																								
A Demolition - Holy Redeemer	8	63	1,330,950	Escalated Dollar							-		-					-			68,722	1 1 1 842,298	1 1 1 852,257	70,897
B Preservation/Modernization	1	0	0	Escalated Dollar																			=	
C New/Expansion	20	37	18,899,422	Escalated Dollar			<u> </u>	<u> </u>					1.241.648	1 1 1 3,500,100	5.049.995	1 1 1 5.526.446	4.795.190	2.980.592	1 1 605.069				=	
D Modulars	1	0	0	Escalated Dollar											-			-			_			
E Other	1	0	0	Escalated Dollar																_				
Z Contingencies	34	37	2,629,948	Escalated Dollar									1 1 1	1 1 1 1	1 1 1 287.621	1 1 1	1 1 1	1 1 1	1 1 1 1	1 1 1 1	1 1 1	1 1 1	1 1 1	7.851
Total Escalat	ed Hard Co	osts : (A)	\$22,860,320	\$28.945.360			-	-					1.302.165	3.679.388	5.337.617	5,903,174	5,234,518	3.450.278	1.069.427	422,714	415.597	1.084.205	967,529	78,747
B SOFT COSTS				4-010.01000													.,	., .,			.,			
Land Purchase	1	0	0	0 Cashflow	_	-	-	-	-	-	-	-	-	_	-	-	-	-	-	-	-	-	-	
Site Services	1	0	0	0 Cashflow		_	_	_	-	-		-	_	_	-	-	-	_	_	_	-	_	=	
Project Admin	46	25	457,206	9,939 Cashflow	<u> </u>	_		_	33,838	34,341	34.843	35,346	35.869	1 1 1 36,401	1 1 1 36.934	37,467	38.021	38.585	39,150	39.715	1 1 1 40,269	1 1 1 40.817	1 1 1 41,366	13,911
Design Fees			\$1,828,826	-					,	- 1,5 11	- 1,010		,		00,000	0.,.0.	******				,	,	,	,
Design 80.00%	12	25	1,463,060	121,922 Cashflow		-	-	-	415,083	421,248	427,413	433,577	-	-	-	-	-	-	-	-		-		
Construct 20.00%	34	37	365,765	10,758 Cashflow		-	_	_	-	-	_	-	38.823	39,399	39,976	1 1 1	1 1 1 41.152	41.763	42.374	42.985	1 1 1 43,585	1 1 1 44,179	44,773	15.056
Furnishings & Equipment	6	57	1,600,222	266,704 Cashflow		-	-	_	-	-	_	-	-	_	-	_	_	_	351.859	1.065.679	1 1 718.727	_		
CTS Equipment	6	57	0	0 Cashflow		_	_	_	-	-	_	-	-	_	-	_	-	-	_	-		-		
Decanting	1	0	0	0 Cashflow		-	_	_	-	-	-		-	-	-	-	-		-	_	-	_	-	
Non-refundable GST	46	25	427,945	Cashflow			_		1 1 1	1 1 1	1 1 1	1 1 1	1 1 1 1 27.909	1 1 1 1 27.909	1 1 1	1 1 1	1 1 1 1 27,909	1 1 1 27.909	1 1 1 1 27,909	1 1 1 27.909	1 1 1 27.909	1 1 1	1 1 1	9.303
Total Cashflow	Total Cashflowed Soft Costs: (B) \$4,314,200						-	-	476,831	483,498	490,166	496,833	102,601	103,710	104,819	105,928	107,082	108,258	461,293	1,176,288	830,490	112,906	114,048	38,270
SUB-TOTAL							•	•														'		
Total Hard &	Total Hard & Soft Costs : (A + B) \$27,174,520								476,831	483,498	490,166	496,833	1,404,766	3,783,098	5,442,436	6,009,102	5,341,601	3,558,536	1,530,719	1,599,003	1,246,087	1,197,111	1,081,577	117,017
	FISCAL CASHFLOW \$7,083,862 \$3-							-			1	,947,328			16	,639,402			1:	2,029,859			3,	,641,793

BRSD - Elementary and Middle Schools Option 3b - Modernization for Sifton K-5 School - The Shifton

Escalated Cashflow January 8, 2025

						6.0	0%			6.0	0%			6.0	0%			6.0	0%			5.5	50%	
						20	25			20	26			20	27			20	28			20)29	
Cost Category	Duration # months	Start	Cost	Escalated Cost	A M J 13 14 15 1st Quarter	J A S 16 17 18 2nd Quarter	O N D 19 20 21 3rd Quarter	J F M 22 23 24 4th Quarter	A M J 25 26 27 1st Quarter	J A S 28 29 30 2nd Quarter	0 N D 31 32 33 3rd Quarter	J F M 34 35 36 4th Quarter	A M J 37 38 39 1st Quarter	J A S 40 41 42 2nd Quarter	O N D 43 44 45 3rd Quarter	J F M 46 47 48 4th Quarter	A M J 49 50 51 1st Quarter	J A S 52 53 54 2nd Quarter	O N D 55 56 57 3rd Quarter	J F M 58 59 60 4th Quarter	A M J 61 62 63 1st Quarter	0. 00 00	0 N D 67 68 69 3rd Quarter	J F M 70 71 72 4th Quarter
A HARD COSTS																								
A Demolition - Holy Redeemer	18	37	632,225	Escalated Dollar								-	1 1 1 1	1 1 1 1	1 1 1 1	1 1 1 1	1 1 1 1	54.687				-		_
B Preservation/Modernization	20	45	7,040,468	Escalated Dollar											53.941	791,259	1.594.301	2.068.327	2.098.082	1 1 1 1	1 1 1 848.433	59.062		=
C New/Expansion	8	39	10,098,836	Escalated Dollar									464.651	5,700,047	5.773.411	480.673	1,054,301	2,000,321	2,050,062	1,003,003	040,433	39,002		
D Modulars	1	0	0	Escalated Dollar	·			·	·		-		404,031	5,700,047	5,773,411	460,673		-						
E Other	1	0	0			-	-		·	-	-	-			-									
Z Contingencies	30	37	3,694,051	Escalated Dollar Escalated Dollar		-		-		-	-	-	1 1 1	1 1 1	1 1 1	1 1 1	1 1 1	1 1 1	1 1 1	1 1 1	1 1 1	1 1 1		
Total Escalate	nd Hard Co	nete · (A)	\$22.164.305	\$36,309,075	-	-	-	_	<u> </u>	_		-	108,982 624,688	320,490 6.161.869	506,311 6.583.412	647,082 2.908.845	727,820 4.063.871	738,549 4,929,889	675,925 4.872.089	544,067 3.871.837	354,082 2.050.948	241.627	_	
B SOFT COSTS	bu Haru CC	7818 . (A)	922,104,303	\$50,509,075									024,000	0,101,000	0,000,412	2,000,040	4,000,011	4,525,005	4,072,000	0,011,001	2,000,040	241,021		
Land Purchase	1	0	0	0				П																$\overline{}$
				Cashflow		-	-	-	-	-	-	-		-	-	-	-	-	-	-			-	
Site Services	1	0	0	0 Cashflow	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Project Admin	42	25	443,286	10,554 Cashflow	-	-	-	-	35,933	36,466	37,000	37,534	38,089	38,654	39,220	39,786	40,374	40,974	41,573	42,173	42,761	43,344	-	-
Design Fees			\$1,773,144																					
Design 80.00%	12	25	1,418,516	118,210 Cashflow	-	-	-	-	402,446	408,423	414,399	420,376	-	-	-	-	-	-	-	-	-	\vdash	-	-
Construct 20.00%	28	37	354,629	12,665 Cashflow		-	-	-	-	-	-	-	45,706	46,385	47,064	47,743	48,449	49,168	49,888	50,607	51,313	17,260	<u> </u>	-
Furnishings & Equipment	8	59	1,551,501	193,938 Cashflow		_	-	-	_	-	-	-	-	-	-	-	-	-	-	517,840	1 1 1 785,734	796,440		_
CTS Equipment	8	59	0	0 Cashflow			_	_				_		_	_	_	-	_				==	_	_
Decanting	1	0	0	0 Cashflow		_	_	_		_	_	_	_		_	_	_	_	_	_	_		_	#
Non-refundable GST	42	25	414,916	Cashflow					1 1 1 1 29,637	1 1 1 1 29,637	1 1 1	1 1 1 1 29,637	1 1 1 1	1 1 1 1	1 1 1 1	1 1 1 1	1 1 1 1	1 1 1	1 1 1	1 1 1	1 1 1 1 29,637	1 1 1 1 29,637		=
Total Cashflow	ed Soft Co	osts : (B)	\$4,182,848	\$5,168,037					468,015	474,526	481,036	487,547	113,432				118,459	119,779	121,098	640,257	909,445		-	
SUB-TOTAL						•		•		•		•		•	•						•			
Total Hard & S	Total Hard & Soft Costs : (A + B) \$26,347,153 \$								468,015	474,526	481,036	487,547	738,120	6,276,545	6,699,333	3,026,010	4,182,331	5,049,668	4,993,186	4,512,095	2,960,393	1,128,307	-	
	FISCAL CASHFLOW \$15,129,959 \$							-			1	1,911,124			10	6,740,008			18	3,737,280			-	4,088,700

BRSD - Elementary and Middle Schools Option 4a - Replacement for Sparling K-5 School

						6.0	0%			6.0	0%			6.0	0%			6.0	0%			5.5	0%	
						20	25			20	26			20	27			20	28			20	29	
Cost Category	Duration # months	Start	Cost	Escalated Cost	A M J 13 14 15 1st Quarter	16 17 18	0 N D 19 20 21 3rd Quarter	J F M 22 23 24 4th Quarter	A M J 25 26 27 1st Quarter	J A S 28 29 30 2nd Quarter	O N D 31 32 33 3rd Quarter	J F M 34 35 36 4th Quarter	A M J 37 38 39 1st Quarter	J A S 40 41 42 2nd Quarter	O N D 43 44 45 3rd Quarter	J F M 46 47 48 4th Quarter	A M J 49 50 51 1st Quarter	J A S 52 53 54 2nd Quarter	O N D 55 56 57 3rd Quarter	J F M 58 59 60 4th Quarter	A M J 61 62 63 1st Quarter	J A S 64 65 66 2nd Quarter	O N D 67 68 69 3rd Quarter	J F M 70 71 72 4th Quarter
A HARD COSTS																								
A Demolition	8	63	1,213,150	Escalated Dollar		-						-	-					-			62,639	767,748	776,825	64,622
B Preservation/Modernization	1	0	0	Escalated Dollar						-	-							-				-	-	
C New/Expansion	20	37	15,537,131	Escalated Dollar			-				-		1.020.754	1 1 1 2.877.416	4,151,579	4.543.267	3.942.105	1 1 1 2.450.332	1 1			_		_
D Modulars	1	0	0	Escalated Dollar		-	-	-			-	_		-	-			-			-	-		_
E Other	1	0	0	Escalated Dollar																				F .
Z Contingencies	34	37	2,177,537	Escalated Dollar		-	-						1 1 1 50,107	1 1 1	1 1 1 238,144	1 1 1 311,922	1 1 1	1 1 1	1 1 1 1 384,478	349,998	1 1 1 287,205	1 1 1 1 200,293	1 1 1 95,443	6,500
Total Escalat	ed Hard Co	osts : (A)	\$18,927,818	\$23,979,889								-	1,070,860	3,025,863	4,389,723	4,855,189	4,305,858	2,839,221	881,902	349,998	349,844	968,041	872,268	71,122
B SOFT COSTS				,,			•	•																
Land Purchase	1	0	0	0 Cashflow		_	-	-	-	-	-	-	-	_	-	-	-	-	-	-	_	-	-	_
Site Services	1	0	0	0 Cashflow	_	_	-	_	-	-	_	-	_	_	-	-	-	-		-	-	-	-	_
Project Admin	46	25	378,556	8,229 Cashflow		_	_	_	28,017	28,433	1 1 1	29,266	29,698	30,139	1 1 1 1 30.581	31.022	1 1 1 1	1 1 1 31.948	1 1 1 32.415	1 1 1 1 32.883	33,342	33,796	34.250	11,518
Design Fees			\$1,514,225								.,	.,								,,,,,				
Design 80.00%	12	25	1,211,380	100,948 Cashflow	_	-	-	-	343,680	348,784	353,888	358,992	-		-	-	-	-		-	-	-	-	_
Construct 20.00%	34	37	302,845	8,907 Cashflow		_	-	_	_		_	-	32.144	32.622	33,099	33.576	34.073	34,579	35,085	35,591	36,087	36,579	37.071	12,466
Furnishings & Equipment	6	57	1,324,947	220,825 Cashflow	_	_	-	-	-	-	-	-		-	-	-	-	-	291,331	882.357	595,089	_		_
CTS Equipment	6	57	0	0 Cashflow		_	_	_				_	_	_	_		_	_	_		_	_	-	_
Decanting	1	0	0	0 Cashflow		-		_	_	_	-			_	-			_	-	-	_	-	-	-
Non-refundable GST	46	25	354,329	Cashflow					1 1 1 23,108	1 1 1 23,108	1 1 1	1 1 1 1 23,108	1 1 1 23,108	1 1 1 23,108	1 1 1 23,108	1 1 1 23,108	1 1 1 1 23,108	1 1 1 23,108	1 1 1 23,108	1 1 1 1 23,108	1 1 1 23,108	1 1 1 23,108	1 1 1 23,108	7,703
Total Cashflov	ved Soft Co	osts : (B)	\$3,572,058	\$4,399,059		-			394,805	400,326	405,846	411,366	84,951	85,869	86,788	87,706	88,661	89,635	381,940	973,940	687,627	93,483	94,429	31,687
SUB-TOTAL	AL																							
Total Hard &	Total Hard & Soft Costs : (A + B) \$22,499,876 \$28								394,805	400,326	405,846	411,366	1,155,811	3,111,732	4,476,511	4,942,895	4,394,520	2,928,856	1,263,842	1,323,937	1,037,471	1,061,525	966,697	102,809
	FISCAL CASHFLOW \$5,879,073 \$28							-			1	,612,343			13	3,686,949			9	9,911,155			3	3,168,501

BRSD - Elementary and Middle Schools Option 4b - Modernization for Sparling K-5 School - The "L"

Escalated Cashflow January 8, 2025

						6.0	0%			6.0	00%			6.0	0%			6.0	0%			5.5	0%
						20	25			20	26			20	27			20	28			20	29
Cost Category	Duration # months	Start	Cost	Escalated Cost	A M J 13 14 15 1st Quarter	J A S 16 17 18 2nd Quarter	O N D 19 20 21 3rd Quarter	J F M 22 23 24 4th Quarter	A M J 25 26 27 1st Quarter	J A S 28 29 30 2nd Quarter	O N D 31 32 33 3rd Quarter	J F M 34 35 36 4th Quarter	A M J 37 38 39 1st Quarter	J A S 40 41 42 2nd Quarter	O N D 43 44 45 3rd Quarter	J F M 46 47 48 4th Quarter	A M J 49 50 51 1st Quarter	J A S 52 53 54 2nd Quarter	O N D 55 56 57 3rd Quarter	J F M 58 59 60 4th Quarter	A M J 61 62 63 1st Quarter	J A S 64 65 66 2nd Quarter	O N D J F M 67 68 69 70 71 72 3rd Quarter 4th Quarter
A HARD COSTS																							
A Demolition	18	37	1,149,300	Escalated Dollar				-		-		-	92,812	256.923	355.951	360.977	268.045	99,414				-	
B Preservation/Modernization	20	45	12,223,899	Escalated Dollar											93.655	1.373.811	1 1 1 2.768.079	1 1 1 3.591.099	3.642.761	1 1 1 2.888.894	1.473.079	102.545	
C New/Expansion	8	39	257,257	Escalated Dollar									11,836	1 1 1 1	1 1 1 1	1	2,700,075	0,001,000	0,042,701	2,000,004	1,470,075	102,040	
D Modulars	1	0	0	Escalated Dollar							_		11,630	143,203	147,071	12,243		_					
E Other	1	0	0	Escalated Dollar					·		·				-						·	_	
Z Contingencies	30	37	2,726,091	Escalated Dollar							-		1 1 1	1 1 1 1 236.511	1 1 1 1	477.526	1 1 1 1	1 1 1	1 1 1	1 1 1	1 1 1 1 261.301	1 1 1	
Total Escalate	ed Hard Co	ete · (Δ)	\$16.356.548	\$21.187.392	-	-		-	-	-	- :		185.073	638.637	970.318	2,224,558	3.573.231	4.235.538	4,141,572	3.290.398	1,734,379	193,686	
B SOFT COSTS	ou mara oc	, (A)	ψ10,000,040	ψ£1,101,00£						l .													
Land Purchase	1	0	0	Cashflow		_		_	_	_					_	_	_	-		-	_		
Site Services	1	0	0	0 Cashflow	_	-		_	_	_	_	_				_	_	_		_	_	_	
Project Admin	42	25	327,131	7,789 Cashflow					26.517	26,911	27.305	27,699	1 1 1 28,108	28.526	28.943	29.361	29,795	1 1 1 30,237	30.680	31.122	1 1 1 1	1 1 1	
Design Fees			\$1,308,524	Casillow					20,317	20,311	27,303	21,000	20,100	20,320	20,543	20,001	20,100	30,237	30,000	31,122	31,330	31,300	
Design 80.00%	12	25	1,046,819	87,235 Cashflow		_		_	296,992	301,403	305,814	310,224	_		_	_	_	-		-	_	_	
Construct 20.00%	28	37	261,705	9,347 Cashflow				_		-	-	-	33,730	34,231	34,732	35,233	35,754	36,285	36.816	37,347	37,868	12.737	
Furnishings & Equipment	8	59	1,144,958	143,120 Cashflow		_		_	_	_	_	_	-		-	-	-	-		382,150	579,847	587,747	
CTS Equipment	8	59	0	Cashflow	_	_									-		_	-		-	010,041	001,141	
Decanting	1	0	0	Cashflow																			
Non-refundable GST	42	25	306,195	Cashflow		-		-	1 1 1 1 21,871	1 1 1 1 21,871	1 1 1	1 1 1 1 21,871	1 1 1 1 21,871	1 1 1 1 21,871	1 1 1 1	1 1 1 1 21,871	1 1 1 1 21,871	1 1 1 21,871	1 1 1 1 21,871	1 1 1	1 1 1 1 21,871	1 1 1 1 21,871	
Total Cashflow	and Soft Co	sete · (R)	\$3,086,808	\$3.813.846	-		-	_	345,380	350,185			83,709	84,627	85,546		87,419		89,366	472,489	671,142	654,342	
SUB-TOTAL	53 50it 60	, (D)	90,000,000	φ3,013,040					0-0,000	550,165	554,365	555,784	55,705	04,021	55,540	55,404	01,418	55,555	55,500	4,2,405	071,142	004,042	
Total Hard & S	Soft Costs	: (A + B)	\$19,443,355	\$25,001,237		-	-		345,380	350,185	354,989	359,794	268,782	723,265	1,055,864	2,311,022	3,660,651	4,323,931	4,230,938	3,762,887	2,405,521	848,028	
	FISCAL CA	_	\$5,557,882					-				1,410,348				4,358,933				5,978,407			3,253,549

BRSD - Elementary and Middle Schools Option 5 - Addition to Chester Ronning to re-grade to K-9

Escalated Cashflow January 8, 2025

Confidency Brooks Surf Confidency Brooks Surf Confidency Brooks Surf Confidency Surf Confidency Surf							6.0	00%			6.0	0%			6.0	00%			6.0	0%			5.	50%	
# mortes Foundation Foundat							20)25			20	26			20	27			20	28			20)29	
A Demotion 1 0 0 Excalated Data	Cost Category		Start	Cost			J A S 16 17 18 2nd Quarter	O N D 19 20 21 3rd Quarter		A M J 25 26 27 1st Quarter	28 29 30	31 32 33	J F M 34 35 36 4th Quarter	A M J 37 38 39 1st Quarter	J A S 40 41 42 2nd Quarter	O N D 43 44 45 3rd Quarter	J F M 46 47 48 4th Quarter	A M J 49 50 51 1st Quarter	32 33 34	55 56 57	J F M 58 59 60 4th Quarter	A M J 61 62 63 1st Quarter	64 65 66	67 68 69	9 70 71 72
B Preservation/Modernization 1	A HARD COSTS																								
Escalated Delar	A Demolition	1	0	0	Escalated Dollar								-	-	-			-	-	-			-	-	-
D Modulars	B Preservation/Modernization	1	0	0	Escalated Dollar		-				-			-				-			-		-		Τ.
Design Faces 1 0 0 Cashflow	C New/Expansion	16	37	22,779,106	Escalated Dollar									2 313 964	6 243 335	8 151 593	1 1 1 7 325 136	1 1 1	281 815					=	#
E Other 1 0 2 59,000 Escalated Dollar	D Modulars	1	0	0							_	_			-	-	- 1,000	-		_		_		=	#
Total Escalated Hard Costs : (A) Security Securit	E Other	1	0	250,000																				#	#
Total Escalated Hard Costs : (A) \$28,022,889 \$32,003,084	Z Contingencies	16	37	2,993,784										1 1 1	1 1 1	1 1 1 1	1 1 1	1 1 1	37 038						
B SOFT COSTS	Total Escala	ated Hard Co	osts : (A)	\$26 022 889																					_
Site Services 1 0 0 0 Cashflow				41010-0	****																				
Project Admin 31 25 520,458 167,659	Land Purchase	1	0	0	0 Cashflow	-	-	-	-	-	-	-	-	-	-	-	-	-	-	_	-	-	-	-	Τ.
Design Fees	Site Services	1	0	0	0 Cashflow		-	-	_	-	_	-	-	-	_	-	-	-	-	_		_	-	-	-
Design Fees	Project Admin	31	25	520,458			_		_	1 1 1 57 158	1 1 1 58 007	1 1 1 58 856	1 1 1	1 1 1	61 487	62 387	1 1 1	1 1 1	1 1 1	21 938		_		=	#
Construct 20.00% 16 37 416,366 26.022 2 472,507 479,525 486,542 493,560	Design Fees			\$2,081,831													,			, , , , , ,				1	_
Cashflow	Design 80.00	% 12	25	1,665,465			-	-	-	472,507	479,525	486,542	493,560	-	_	-		-	-	-	-	-	-	-	Ψ.
CTS Equipment 3 5 100,000 33,333	Construct 20.00	% 16	37	416,366			-	-	-	-	-	-	-	93,911	95,306	96,700	98,095	99,545	33,510	-		-	-	-	—
Decarding 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Furnishings & Equipment	3	53	1,821,602			-	-	-	-	-	-	-	_	_	-	_	-	1,575,316	793,407	-	-	-	-	Τ.
Cashflow	CTS Equipment	3	53	100,000		-	-		-	-	-	-	-	-	_	-	_		86,480	43,555		-	-	-	—
Non-refundable GST 31 25 488,748 Cashflow 47,298 4	Decanting	1	0	0	0 Cashflow	-	-		-	-	-	-	-	-	-	-	_	-		_	-	-	-	-	-
SUB-TOTAL	Non-refundable GST	31	25	488,748						1 1 1 47,298	1 1 1 1 47,298	47,298	47,298	1 1 1 1	1 1 1 1	1 1 1 47,298	1 1 1 1	1 1 1 1	1 1 1 47,298	15,766					_
		wed Soft Co	osts : (B)	\$5,012,640	\$6,069,521		-	-	-	576,964	584,830	592,696	600,563	201,797	204,091	206,386	208,680	211,067	1,807,781	874,666		-	-		_
Total Hard & Soft Costs: (A + B) \$31,035,529 \$38,072,584 - 576,964 594,830 \$92,686 600,563 2,819,876 7,267,967 9,429,317 8,496,535 4,702,535 2,126,634 874,666 - 57,033,835				, ,		-	-	-	<u> </u>	576,964	584,830			2,819,878	7,267,967			4,702,535	2,126,634			-	-	<u> </u>	

BRSD - Elementary and Middle Schools Option 6 - New K-9 School

						6.0	00%			6.0	0%			6.0	0%			6.0	0%			5.5	0%	
						20)25			20	26			20	27			20	28			20	29	
Cost Category	Duration # months	Start	Cost	Escalated Cost	A M J 13 14 15	J A S 16 17 18 2nd Quarter	O N D 19 20 21 3rd Quarter		A M J 25 26 27 1st Quarter	J A S 28 29 30 2nd Quarter	0 N D 31 32 33 3rd Quarter	J F M 34 35 36 4th Quarter	A M J 37 38 39		O N D 43 44 45 3rd Quarter	J F M 46 47 48 4th Quarter	A M J 49 50 51	J A S 52 53 54 2nd Quarter	O N D 55 56 57 3rd Quarter	J F M 58 59 60 4th Quarter	A M J 61 62 63		O N D 67 68 69 3rd Quarter	J F M 70 71 72 4th Quarter
A HARD COSTS					ist Qualter	Zilu Qualtei	Siù Quartei	401 Qualter	1st Quarter	Ziiu Qualtei	Sid Quarter	401 Qualter	ist Qualter	Zilu Qualtei	Jid Quarter	4tii Quartei	ist Quarter	ziiu Quartei	ord Quarter	401 Quarter	ist Quarter	ziid Quariei	Siu Quartei	4tii Qualtei
A Demolition - Holy Redeemer	- 8	63	6,728,375					T													- 1	1 1 1	1 1 1	1
•				Escalated Dollar				-			-										347,410	4,258,086	4,308,430	358,40
B Preservation/Modernization	1	0	0	Escalated Dollar		-	-			-			-		-		-					-		
C New/Expansion	20	37	39,848,991	Escalated Dollar		-	-	-	-	-		-	2,617,987	7,379,878	10,647,798	1 1 1 1	1 1 1 1	6,284,509	1,275,773	-				
D Modulars	1	0	0	Escalated Dollar		-			-		-		-	-		-				-	-	-		
E Other	1	0	0	Escalated Dollar		-	-	-		-	-		-	-	-	-	-	-	-	-		-		
Z Contingencies	34	37	6,055,058	Escalated Dollar		-	-		-	-	-		1 1 1	1 1 1 412,784	1 1 1 662,204	1 1 1 867,359	1,011,487	1 1 1 1	1,069,114	1 1 1 973,236	1 1 1 798,628	1 1 1 556,954	1 1 1	18,07
Total Escalate	d Hard Co	osts : (A)	\$52,632,424	\$67,097,156						-	-		2,757,318	7,792,663	11,310,002	12,519,742	11,122,034	7,365,890	2,344,887	973,236	1,146,038	4,815,040	4,573,827	376,48
S SOFT COSTS																								
Land Purchase	1	0	0	0 Cashflow	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Site Services	1	0	0	0 Cashflow	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Project Admin	46	25	1,052,648	22,884 Cashflow	_	-	-	-	1 1 1 77,908	1 1 1 79,065	1 1 1 80,222	1 1 1 81.379	1 1 1 82,582	83,809	1 1 1 85,035	1 1 1 86,261	1 1 1 87,537	88,837	90,137	91,437	92,713	93,976	95,239	32,02
Design Fees			\$4,210,594						,,	.,,		. ,	. ,	,	,	, .	. , ,	,	,	. , .		,.		
Design 80.00%	12	25	3,368,475	280,706 Cashflow	-	-	-	-	955,667	969,860	984,053	998,246	-	-	-	-	-	-	-	-	-	-	-	
Construct 20.00%	34	37	842,119	24,768 Cashflow	-	-	-	-	-	-	-	-	89,383	90,710	92,038	93,365	94,746	96,153	97,560	98,967	100,348	101,715	103,082	34,66
Furnishings & Equipment	6	57	3,684,270	614,045 Cashflow		-	-	-	-	-	-	-	-	-	-	-	-	-	810,102	2,453,564	1,654,760	-	-	
CTS Equipment	6	57	100,000	16,667 Cashflow	_	-	-	-	-	-	-	1	-	-	-	-	-	-	21,988	1 1 1 66,596	1 1 44,914	-	-	
Decanting	1	0	0	0 Cashflow		-	-	-	_	_	-	-	-	-	-	-	_	_	_	-	_	-	-	
Non-refundable GST	46	25	986,879	Cashflow		_		-	1 1 1 64.362	1 1 1 1	1 1 1 1 64.362	1 1 1 1	1 1 1	1 1 1	1 1 1 1	1 1 1	1 1 1 1	64.362	1 1 1 1	1 1 1	1 1 1	1 1 1	1 1 1	21.45
Total Cashflow	ed Soft Co	osts : (B)	\$10,034,391	\$12,367,524		-			1,097,936	1,113,286			236,327	238,881	241,435		246,645	249,352	1,084,149		1,957,096	260,053	262,683	88,14
SUB-TOTAL																								
Total Hard & S	oft Costs	: (A + B)	\$62,666,815	\$79,464,680					1,097,936	1,113,286	1,128,636	1,143,986	2,993,645	8,031,543	11,551,437	12,763,730	11,368,679	7,615,242	3,429,037	3,748,161	3,103,134	5,075,093	4,836,510	464,62
F	ISCAL CA	ASHFLOW	\$16,797,865	\$79,464,680				-			4	,483,845			3	5,340,355			26	6,161,118			13	,479,362

Elementary & Middle Schools Value Scoping Session Camrose, Alberta

Capital Cost Analysis January 08 & 09, 2025

6. Discounted Cash Flows

BRSD - Elementary and Middle Schools

5,570

Option 1a - Replacement for Charlie Killam 6-8 School

Capital Cost

61,290,043

					DISCOUNTED	CASHFLOW				
1	2	3	4	5	6	7	8	9	10	11
				Annual Costs				(2+3+4+5+6+7+8)		nPV
							CADITAL /	(2+3+4+5+6+7+8) Net	Annual	Cumulative
YEAR	0	Community	Receipts/Income	Facility Systems		Facility Operations	CAPITAL / CYCLICAL	Cash	Present	Present
I LAIN	· ·	Community	T tooolplo/infoomo	Maintenance	- Utilities	- Expenses	RENEWAL	Flow	Value	Value
		5.00%	5.00%	4.00%	6.00%	4.00%		FIOW	5.80%	value
	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
	04 000 040	0		400.050	00.550	407.000		04 700 004	04 700 004	04 700 004
1	61,290,043	0	0	139,250	83,550	187,988 195,507		61,700,831	61,700,831	61,700,831
3	0	0	0	144,820	88,563 93,877	203,327		428,890 447,817	405,378 400,064	62,106,209
4	0	0	0	150,613 156,637	93,877	203,327		447,817	394,843	62,506,272
	-			i						62,901,115
5	0	0	0	162,903	105,480	219,919		488,302	389,713	63,290,829
6	0	0	0	169,419	111,809	228,716		509,943	384,675	63,675,503
7	0	0	0	176,196	118,517	237,864		532,577	379,724	64,055,228
8	0	0	0	183,244	125,628	247,379		556,251	374,861	64,430,089
9	0	0	0	190,573	133,166	257,274		581,013	370,084	64,800,173
10	0	0	0	198,196	141,156	267,565		606,917	365,391	65,165,565
11	0	0	0	206,124	149,625	278,267		634,017	360,781	65,526,346
12	0	0	0	214,369	158,603	289,398		662,370	356,253	65,882,599
13	0	0	0	222,944	168,119	300,974		692,037	351,804	66,234,403
14	0	0	0	231,861	178,206	313,013		723,081	347,435	66,581,838
15	0	0	0	241,136	188,899	325,534		755,568	343,142	66,924,980
16	0	0	0	250,781	200,232	338,555		789,569	338,926	67,263,906
17	0	0	0	260,813	212,246	352,097		825,156	334,785	67,598,690
18	0	0	0	271,245	224,981	366,181		862,407	330,717	67,929,407
19	0	0	0	282,095	238,480	380,828		901,403	326,721	68,256,128
20	0	0	0	293,379	252,789	396,061		942,229	322,796	68,578,925
21	0	0	0	305,114	267,956	411,904		984,974	318,942	68,897,866
22	0	0	0	317,318	284,034	428,380		1,029,732	315,156	69,213,022
23	0	0	0	330,011	301,076	445,515		1,076,602	311,437	69,524,459
24	0	0	0	343,212	319,140	463,336		1,125,687	307,785	69,832,244
25	0	0	0	356,940	338,288	481,869		1,177,098	304,198	70,136,442
TOTALS	61,290,043	0	0	5,799,193	4,583,930	7,828,910	0	79,502,076	70,136,442	

BRSD - Elementary and Middle Schools

5,570

Option 1b - Modernization for Charlie Killam 6-8 School - Goots Hoots Middle School

Capital Cost

55,662,458

	DISCOUNTED CASHFLOW												
1	2	3	4	5	6	7	8	9	10	11			
			1	Annual Costs				(2+3+4+5+6+7+8)		nPV			
YEAR	0	Community	Receipts/Income	Facility Systems Maintenance	Facility Operations - Utilities	Facility Operations - Expenses	CAPITAL / CYCLICAL RENEWAL	Net Cash	Annual Present	Cumulative Present			
		5.00%	5.00%	4.00%	6.00%	4.00%	TENEVI LE	Flow	Value 5.80%	Value			
	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$			
1	55,662,458	0	0	139,250	83,550	187,988		56,073,246	56,073,246	56,073,246			
2	0	0	0	144,820	88,563	195,507		428,890	405,378	56,478,624			
3	0	0	0	150,613	93,877	203,327		447,817	400,064	56,878,688			
4	0	0	0	156,637	99,509	211,460		467,607	394,843	57,273,530			
5	0	0	0	162,903	105,480	219,919		488,302	389,713	57,663,244			
6	0	0	0	169,419	111,809	228,716		509,943	384,675	58,047,918			
7	0	0	0	176,196	118,517	237,864		532,577	379,724	58,427,643			
8	0	0	0	183,244	125,628	247,379		556,251	374,861	58,802,504			
9	0	0	0	190,573	133,166	257,274		581,013	370,084	59,172,588			
10	0	0	0	198,196	141,156	267,565		606,917	365,391	59,537,980			
11	0	0	0	206,124	149,625	278,267		634,017	360,781	59,898,761			
12	0	0	0	214,369	158,603	289,398		662,370	356,253	60,255,014			
13	0	0	0	222,944	168,119	300,974		692,037	351,804	60,606,818			
14	0	0	0	231,861	178,206	313,013		723,081	347,435	60,954,253			
15	0	0	0	241,136	188,899	325,534		755,568	343,142	61,297,395			
16	0	0	0	250,781	200,232	338,555		789,569	338,926	61,636,321			
17	0	0	0	260,813	212,246	352,097		825,156	334,785	61,971,106			
18	0	0	0	271,245	224,981	366,181		862,407	330,717	62,301,822			
19	0	0	0	282,095	238,480	380,828		901,403	326,721	62,628,543			
20	0	0	0	293,379	252,789	396,061		942,229	322,796	62,951,340			
21	0	0	0	305,114	267,956	411,904		984,974	318,942	63,270,281			
22	0	0	0	317,318	284,034	428,380		1,029,732	315,156	63,585,437			
23	0	0	0	330,011	301,076	445,515		1,076,602	311,437	63,896,874			
24	0	0	0	343,212	319,140	463,336		1,125,687	307,785	64,204,659			
25	0	0	0	356,940	338,288	481,869		1,177,098	304,198	64,508,857			
TOTALS	55,662,458	0	0	5,799,193	4,583,930	7,828,910	0	73,874,491	64,508,857				

BRSD - Elementary and Middle Schools

3,450

Option 2a - Replacement for Jack Stuart K-5 School

Capital Cost

37,494,018

				[DISCOUNTED	CASHFLOW				
1	2	3	4	5	6	7	8	9	10	11
			ı	Annual Costs	ı		(2+3+4+5+6+7+8)		nPV	
YEAR	0	Community	Receipts/Income	Facility Systems Maintenance	Facility Operations - Utilities	Facility Operations - Expenses	CAPITAL / CYCLICAL RENEWAL	Net Cash	Annual Present	Cumulative Present
		5.00%	5.00%	4.00%	6.00%	4.00%		Flow	Value 5.80%	Value
	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
1	37,494,018	0	0	86,250	51,750	116,438		37,748,455	37,748,455	37,748,455
2	0	0	0	89,700	54,855	121,095		265,650	251,087	37,999,542
3	0	0	0	93,288	58,146	125,939		277,373	247,795	38,247,338
4	0	0	0	97,020	61,635	130,976		289,631	244,561	38,491,899
5	0	0	0	100,900	65,333	136,215		302,449	241,384	38,733,284
6	0	0	0	104,936	69,253	141,664		315,854	238,263	38,971,547
7	0	0	0	109,134	73,408	147,331		329,873	235,197	39,206,744
8	0	0	0	113,499	77,813	153,224		344,536	232,185	39,438,930
9	0	0	0	118,039	82,482	159,353		359,873	229,226	39,668,156
10	0	0	0	122,761	87,431	165,727		375,918	226,320	39,894,476
11	0	0	0	127,671	92,676	172,356		392,703	223,464	40,117,940
12	0	0	0	132,778	98,237	179,250		410,265	220,659	40,338,599
13	0	0	0	138,089	104,131	186,420		428,640	217,904	40,556,503
14	0	0	0	143,613	110,379	193,877		447,869	215,197	40,771,700
15	0	0	0	149,357	117,002	201,632		467,991	212,539	40,984,239
16	0	0	0	155,331	124,022	209,697		489,051	209,927	41,194,166
17	0	0	0	161,545	131,463	218,085		511,093	207,362	41,401,528
18	0	0	0	168,006	139,351	226,809		534,166	204,842	41,606,371
19	0	0	0	174,727	147,712	235,881		558,320	202,368	41,808,738
20	0	0	0	181,716	156,575	245,316		583,607	199,937	42,008,675
21	0	0	0	188,984	165,969	255,129		610,083	197,549	42,206,224
22	0	0	0	196,544	175,927	265,334		637,805	195,204	42,401,429
23	0	0	0	204,405	186,483	275,947		666,836	192,901	42,594,329
24	0	0	0	212,582	197,672	286,985		697,239	190,639	42,784,968
25	0	0	0	221,085	209,532	298,465		729,082	188,417	42,973,385
TOTALS	37,494,018	0	0	3,591,960	2,839,238	4,849,145	0	48,774,362	42,973,385	

BRSD - Elementary and Middle Schools

3,450

Option 2b - Modernization for Jack Stuart K-5 School - Jaguar Lair

Capital Cost

33,564,537

	DISCOUNTED CASHFLOW												
1	2	3	4	5	6	7	8	9	10	11			
				Annual Costs			(2+3+4+5+6+7+8)		nPV				
								Net	Annual	Cumulative			
YEAR	0	Community	Receipts/Income	Facility Systems Maintenance	Facility Operations - Utilities	Facility Operations	CAPITAL / CYCLICAL	Cash	Present	Present			
				Maintenance	- Ounties	- Expenses	RENEWAL	Flow	Value	Value			
		5.00%	5.00%	4.00%	6.00%	4.00%			5.80%				
	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$			
	22 564 527	0	0	06.050	E4.7E0	446 420		22.040.074	22.040.074	22 040 074			
2	33,564,537 0	0	0	86,250 89,700	51,750 54,855	116,438 121,095		33,818,974 265,650	33,818,974 251,087	33,818,974 34,070,061			
3	0	0	0	93,288	58,146	125,939		277,373	247,795	34,317,856			
4	0	0	0	97,020	61,635	130,976		289,631	244,561	34,562,418			
5	0	0	0	100,900	65,333	136,215		302,449	241,384	34,803,802			
		0	0	104,936	69,253	141,664		315,854	238,263	35,042,066			
6 7	0	0	0	104,936	73,408	147,331		315,854	238,263	35,042,066			
8	0	0	0	113,499	77,813	153,224		344,536	232,185	35,509,448			
9	0	0	0	118,039	82,482	159,353		359,873	229,226	35,738,675			
10	0	0	0	122,761	87,431	165,727		375,918	226,320	35,964,994			
				•	,	172,356		373,918	223,464	36,188,459			
11	0	0	0	127,671 132,778	92,676 98,237	172,356		410,265	223,464	36,188,459			
13	0	0	0	132,778	104,131	186,420		410,265	220,659	36,627,022			
14	0	0	0	143,613	110,379	193,877		447,869	215,197	36,842,219			
15	0	0	0	149,357	117,002	201,632		467,991	212,539	37,054,758			
		0	0						209,927				
16 17	0	0	0	155,331 161,545	124,022 131,463	209,697 218,085		489,051 511,093	209,927	37,264,685 37,472,047			
18	0	0	0	161,345	139,351	226,809		534,166	207,362	37,472,047			
19	0	0	0	174,727	147,712	235,881		558,320	202,368	37,879,257			
20	0	0	0	181,716	156,575	245,316		583,607	199,937	38,079,194			
21	0	0	0	188,984	165,969	255,129		610,083	197,549	38,276,743			
22	0	0	0	196,544	175,927	265,334		637,805	195,204	38,471,947			
23	0	0	0	204,405	186,483	275,947		666,836	192,901	38,664,848			
24	0	0	0	212,582	197,672	286,985		697,239	190,639	38,855,487			
25	0	0	0	221,085	209,532	298,465		729,082	188,417	39,043,904			
TOTALS	33,564,537	0	0	3,591,960	2,839,238	4,849,145	0	44,844,880	39,043,904				

BRSD - Elementary and Middle Schools

3,159

Option 3a - Replacement for Sifton K-5 School

Capital Cost

34,258,381

	DISCOUNTED CASHFLOW											
1	2	3	4	5	6	7	8	9	10	11		
				Annual Costs				(2+3+4+5+6+7+8)		nPV		
YEAR	0	Community	Receipts/Income	Facility Systems Maintenance	Facility Operations - Utilities	Facility Operations - Expenses	CAPITAL / CYCLICAL RENEWAL	Net Cash Flow	Annual Present Value	Cumulative Present Value		
		5.00%	5.00%	4.00%	6.00%	4.00%		1 low	5.80%	value		
	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$		
1	34,258,381	0	0	78,975	47,385	106,616		34,491,357	34,491,357	34,491,357		
2	0	0	0	82,134	50,228	110,881		243,243	229,908	34,721,266		
3	0	0	0	85,419	53,242	115,316		253,977	226,894	34,948,160		
4	0	0	0	88,836	56,436	119,929		265,201	223,933	35,172,093		
5	0	0	0	92,390	59,822	124,726		276,938	221,024	35,393,117		
6	0	0	0	96,085	63,412	129,715		289,212	218,166	35,611,284		
7	0	0	0	99,929	67,217	134,904		302,049	215,359	35,826,643		
8	0	0	0	103,926	71,250	140,300		315,475	212,601	36,039,244		
9	0	0	0	108,083	75,524	145,912		329,519	209,892	36,249,135		
10	0	0	0	112,406	80,056	151,748		344,210	207,230	36,456,365		
11	0	0	0	116,902	84,859	157,818		359,580	204,615	36,660,981		
12	0	0	0	121,578	89,951	164,131		375,660	202,047	36,863,028		
13	0	0	0	126,442	95,348	170,696		392,486	199,524	37,062,552		
14	0	0	0	131,499	101,069	177,524		410,092	197,046	37,259,598		
15	0	0	0	136,759	107,133	184,625		428,517	194,612	37,454,210		
16	0	0	0	142,230	113,561	192,010		447,800	192,220	37,646,430		
17	0	0	0	147,919	120,375	199,690		467,983	189,872	37,836,302		
18	0	0	0	153,835	127,597	207,678		489,110	187,564	38,023,866		
19	0	0	0	159,989	135,253	215,985		511,227	185,298	38,209,164		
20	0	0	0	166,388	143,368	224,624		534,381	183,073	38,392,237		
21	0	0	0	173,044	151,970	233,609		558,623	180,886	38,573,123		
22	0	0	0	179,966	161,088	242,954		584,008	178,739	38,751,862		
23	0	0	0	187,164	170,754	252,672		610,590	176,630	38,928,492		
24	0	0	0	194,651	180,999	262,779		638,428	174,559	39,103,051		
25	0	0	0	202,437	191,859	273,290		667,586	172,525	39,275,576		
TOTALS	34,258,381	0	0	3,288,986	2,599,755	4,440,131	0	44,587,252	39,275,576			

BRSD - Elementary and Middle Schools

3,159

Option 3b - Modernization for Sifton K-5 School - The Shifton

Capital Cost

41,477,112

				[DISCOUNTED	CASHFLOW				
1	2	3	4	5	6	7	8	9	10	11
			T	Annual Costs	1			(2+3+4+5+6+7+8)		nPV
YEAR	0	Community	Receipts/Income	Facility Systems Maintenance	Facility Operations - Utilities	Facility Operations - Expenses	CAPITAL / CYCLICAL RENEWAL	Net Cash	Annual Present	Cumulative Present
		5.00%	5.00%	4.00%	6.00%	4.00%		Flow	Value 5.80%	Value
	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
	44 477 440	2		70.075	47.005	100.040		44 740 000	44 740 000	44.740.000
1	41,477,112	0	0	78,975	47,385	106,616		41,710,088	41,710,088	41,710,088
2	0	0	0	82,134	50,228	110,881		243,243	229,908	41,939,996
3	0	0	0	85,419	53,242	115,316		253,977	226,894	42,166,891
4	0	0	0	88,836	56,436	119,929		265,201	223,933	42,390,824
5	0	0	0	92,390	59,822	124,726		276,938	221,024	42,611,848
6	0	0	0	96,085	63,412	129,715		289,212	218,166	42,830,014
7	0	0	0	99,929	67,217	134,904		302,049	215,359	43,045,373
8	0	0	0	103,926	71,250	140,300		315,475	212,601	43,257,974
9	0	0	0	108,083	75,524	145,912		329,519	209,892	43,467,866
10	0	0	0	112,406	80,056	151,748		344,210	207,230	43,675,096
11	0	0	0	116,902	84,859	157,818		359,580	204,615	43,879,711
12	0	0	0	121,578	89,951	164,131		375,660	202,047	44,081,759
13	0	0	0	126,442	95,348	170,696		392,486	199,524	44,281,283
14	0	0	0	131,499	101,069	177,524		410,092	197,046	44,478,329
15	0	0	0	136,759	107,133	184,625		428,517	194,612	44,672,940
16	0	0	0	142,230	113,561	192,010		447,800	192,220	44,865,161
17	0	0	0	147,919	120,375	199,690		467,983	189,872	45,055,032
18	0	0	0	153,835	127,597	207,678		489,110	187,564	45,242,597
19	0	0	0	159,989	135,253	215,985		511,227	185,298	45,427,895
20	0	0	0	166,388	143,368	224,624		534,381	183,073	45,610,967
21	0	0	0	173,044	151,970	233,609		558,623	180,886	45,791,854
22	0	0	0	179,966	161,088	242,954		584,008	178,739	45,970,593
23	0	0	0	187,164	170,754	252,672		610,590	176,630	46,147,223
24	0	0	0	194,651	180,999	262,779		638,428	174,559	46,321,782
25	0	0	0	202,437	191,859	273,290		667,586	172,525	46,494,306
TOTALS	41,477,112	0	0	3,288,986	2,599,755	4,440,131	0	51,805,983	46,494,306	

BRSD - Elementary and Middle Schools

2,597

Option 4a - Replacement for Sparling K-5 School

Capital Cost

28,378,948

	DISCOUNTED CASHFLOW												
1	2	3	4	5	6	7	8	9	10	11			
		Annual Costs						(2+3+4+5+6+7+8)		nPV			
							CAPITAL /	Net	Annual	Cumulative			
YEAR	0	Community	Receipts/Income	Facility Systems Maintenance	Facility Operations - Utilities	Facility Operations	CYCLICAL	Cash	Present	Present			
				Maintenance	- Ounties	- Expenses	RENEWAL	Flow	Value	Value			
		5.00%	5.00%	4.00%	6.00%	4.00%			5.80%				
	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$			
1	28,378,948	0	0	64,925	38,955	87,649		28,570,477	28,570,477	28,570,477			
2	0	0	0	67,522	41,292	91,155		199,969	189,007	28,759,484			
3	0	0	0	70,223	43,770	94,801		208,794	186,529	28,946,012			
4	0	0	0	73,032	46,396	98,593		218,021	184,095	29,130,107			
5	0	0	0	75,953	49,180	102,537		227,669	181,703	29,311,810			
6	0	0	0	78,991	52,131	106,638		237,760	179,354	29,491,164			
7	0	0	0	82,151	55,258	110,904		248,313	177,046	29,668,209			
8	0	0	0	85,437	58,574	115,340		259,351	174,778	29,842,988			
9	0	0	0	88,854	62,088	119,953		270,896	172,551	30,015,538			
10	0	0	0	92,409	65,814	124,752		282,974	170,363	30,185,901			
11	0	0	0	96,105	69,762	129,742		295,609	168,213	30,354,115			
12	0	0	0	99,949	73,948	134,931		308,828	166,102	30,520,217			
13	0	0	0	103,947	78,385	140,328		322,661	164,028	30,684,245			
14	0	0	0	108,105	83,088	145,942		337,135	161,991	30,846,236			
15	0	0	0	112,429	88,074	151,779		352,282	159,989	31,006,225			
16	0	0	0	116,926	93,358	157,850		368,135	158,023	31,164,248			
17	0	0	0	121,603	98,959	164,164		384,727	156,093	31,320,341			
18	0	0	0	126,467	104,897	170,731		402,095	154,196	31,474,537			
19	0	0	0	131,526	111,191	177,560		420,277	152,333	31,626,870			
20	0	0	0	136,787	117,862	184,663		439,312	150,503	31,777,373			
21	0	0	0	142,259	124,934	192,049		459,242	148,706	31,926,079			
22	0	0	0	147,949	132,430	199,731		480,110	146,941	32,073,019			
23	0	0	0	153,867	140,376	207,720		501,963	145,207	32,218,226			
24	0	0	0	160,022	148,798	216,029		524,849	143,504	32,361,730			
25	0	0	0	166,423	157,726	224,670		548,819	141,832	32,503,562			
TOTALS	28,378,948	0	0	2,703,861	2,137,247	3,650,212	0	36,870,268	32,503,562				

BRSD - Elementary and Middle Schools

2,597

Option 4b - Modernization for Sparling K-5 School - The "L"

Capital Cost

25,001,237

	DISCOUNTED CASHFLOW												
1	2	3	4	5	6	7	8	9	10	11			
				Annual Costs			(2+3+4+5+6+7+8)		nPV				
YEAR	0	Community	Receipts/Income	Facility Systems Maintenance	Facility Operations - Utilities	Facility Operations - Expenses	CAPITAL / CYCLICAL RENEWAL	Net Cash Flow	Annual Present Value	Cumulative Present Value			
		5.00%	5.00%	4.00%	6.00%	4.00%			5.80%				
	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$			
1	25,001,237	0	0	64,925	38,955	87,649		25,192,766	25,192,766	25,192,766			
2	0	0	0	67,522	41,292	91,155		199,969	189,007	25,381,773			
3	0	0	0	70,223	43,770	94,801		208,794	186,529	25,568,301			
4	0	0	0	73,032	46,396	98,593		218,021	184,095	25,752,396			
5	0	0	0	75,953	49,180	102,537		227,669	181,703	25,934,099			
6	0	0	0	78,991	52,131	106,638		237,760	179,354	26,113,453			
7	0	0	0	82,151	55,258	110,904		248,313	177,046	26,290,498			
8	0	0	0	85,437	58,574	115,340		259,351	174,778	26,465,276			
9	0	0	0	88,854	62,088	119,953		270,896	172,551	26,637,827			
10	0	0	0	92,409	65,814	124,752		282,974	170,363	26,808,190			
11	0	0	0	96,105	69,762	129,742		295,609	168,213	26,976,404			
12	0	0	0	99,949	73,948	134,931		308,828	166,102	27,142,506			
13	0	0	0	103,947	78,385	140,328		322,661	164,028	27,306,534			
14	0	0	0	108,105	83,088	145,942		337,135	161,991	27,468,524			
15	0	0	0	112,429	88,074	151,779		352,282	159,989	27,628,514			
16	0	0	0	116,926	93,358	157,850		368,135	158,023	27,786,537			
17	0	0	0	121,603	98,959	164,164		384,727	156,093	27,942,630			
18	0	0	0	126,467	104,897	170,731		402,095	154,196	28,096,826			
19	0	0	0	131,526	111,191	177,560		420,277	152,333	28,249,159			
20	0	0	0	136,787	117,862	184,663		439,312	150,503	28,399,662			
21	0	0	0	142,259	124,934	192,049		459,242	148,706	28,548,368			
22	0	0	0	147,949	132,430	199,731		480,110	146,941	28,695,308			
23	0	0	0	153,867	140,376	207,720		501,963	145,207	28,840,515			
24	0	0	0	160,022	148,798	216,029		524,849	143,504	28,984,019			
25	0	0	0	166,423	157,726	224,670		548,819	141,832	29,125,851			
TOTALS	25,001,237	0	0	2,703,861	2,137,247	3,650,212	0	33,492,557	29,125,851				

BRSD - Elementary and Middle Schools

7,587

Option 5 - Addition to Chester Ronning to re-grade to K-9

Capital Cost

38,072,584

					DISCOUNTED	CASHFLOW				
1	2	3	4	5	6	7	8	9	10	11
				Annual Costs			(2+3+4+5+6+7+8)		nPV	
YEAR	0	Community	Receipts/Income	Maintenance	Facility Operations - Utilities	- Expenses	CAPITAL / CYCLICAL RENEWAL	Net Cash Flow	Annual Present Value	Cumulative Present Value
		5.00%	5.00%	4.00%	6.00%	4.00%			5.80%	
	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
1	38,072,584	0	0	189,675	113,805	256,061		38,632,126	38,632,126	38,632,126
2	0	0	0	197,262	120,633	266,304		584,199	552,173	39,184,299
3	0	0	0	205,152	127,871	276,956		609,980	544,934	39,729,233
4	0	0	0	213,359	135,544	288,034		636,936	537,822	40,267,055
5	0	0	0	221,893	143,676	299,555		665,125	530,836	40,797,891
6	0	0	0	230,769	152,297	311,538		694,603	523,972	41,321,864
7	0	0	0	239,999	161,435	323,999		725,433	517,230	41,839,093
8	0	0	0	249,599	171,121	336,959		757,679	510,606	42,349,699
9	0	0	0	259,583	181,388	350,438		791,409	504,099	42,853,797
10	0	0	0	269,967	192,271	364,455		826,693	497,706	43,351,504
11	0	0	0	280,765	203,807	379,033		863,606	491,427	43,842,931
12	0	0	0	291,996	216,036	394,195		902,226	485,259	44,328,189
13	0	0	0	303,676	228,998	409,962		942,636	479,199	44,807,388
14	0	0	0	315,823	242,738	426,361		984,922	473,247	45,280,636
15	0	0	0	328,456	257,302	443,415		1,029,173	467,400	45,748,036
16	0	0	0	341,594	272,740	461,152		1,075,486	461,657	46,209,693
17	0	0	0	355,258	289,105	479,598		1,123,960	456,016	46,665,710
18	0	0	0	369,468	306,451	498,782		1,174,701	450,475	47,116,185
19	0	0	0	384,247	324,838	518,733		1,227,818	445,033	47,561,218
20	0	0	0	399,617	344,328	539,482		1,283,427	439,687	48,000,905
21	0	0	0	415,601	364,988	561,062		1,341,651	434,436	48,435,341
22	0	0	0	432,225	386,887	583,504		1,402,617	429,279	48,864,620
23	0	0	0	449,514	410,101	606,844		1,466,459	424,214	49,288,835
24	0	0	0	467,495	434,707	631,118		1,533,320	419,240	49,708,074
25	0	0	0	486,195	460,789	656,363		1,603,347	414,354	50,122,428
TOTALS	38,072,584	0	0	7,899,188	6,243,856	10,663,903	0	62,879,531	50,122,428	

BRSD - Elementary and Middle Schools

7,587

Option 6 - New K-9 School

Capital Cost

79,464,680

					DISCOUNTED	CASHFLOW				
1	2	3	4	5	6	7	8	9	10	11
				Annual Costs			(2+3+4+5+6+7+8)		nPV	
YEAR	0	Community	Receipts/Income	Maintenance	Facility Operations - Utilities	- Expenses	CAPITAL / CYCLICAL RENEWAL	Net Cash Flow	Annual Present Value	Cumulative Present Value
		5.00%	5.00%	4.00%	6.00%	4.00%			5.80%	
	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
	70.404.000	•		100.075	440.005	050.004		00.004.004	00.004.004	00 004 004
1	79,464,680	0	0	189,675	113,805	256,061		80,024,221	80,024,221	80,024,221
2	0	0	0	197,262	120,633	266,304		584,199	552,173	80,576,394
3	0	0	0	205,152	127,871	276,956		609,980	544,934	81,121,328
4	0	0	0	213,359	135,544	288,034		636,936	537,822	81,659,150
5	0	0	0	221,893	143,676	299,555		665,125	530,836	82,189,986
6	0	0	0	230,769	152,297	311,538		694,603	523,972	82,713,959
7	0	0	0	239,999	161,435	323,999		725,433	517,230	83,231,188
8	0	0	0	249,599	171,121	336,959		757,679	510,606	83,741,794
9	0	0	0	259,583	181,388	350,438		791,409	504,099	84,245,893
10	0	0	0	269,967	192,271	364,455		826,693	497,706	84,743,599
11	0	0	0	280,765	203,807	379,033		863,606	491,427	85,235,026
12	0	0	0	291,996	216,036	394,195		902,226	485,259	85,720,284
13	0	0	0	303,676	228,998	409,962		942,636	479,199	86,199,483
14	0	0	0	315,823	242,738	426,361		984,922	473,247	86,672,731
15	0	0	0	328,456	257,302	443,415		1,029,173	467,400	87,140,131
16	0	0	0	341,594	272,740	461,152		1,075,486	461,657	87,601,788
17	0	0	0	355,258	289,105	479,598		1,123,960	456,016	88,057,805
18	0	0	0	369,468	306,451	498,782		1,174,701	450,475	88,508,280
19	0	0	0	384,247	324,838	518,733		1,227,818	445,033	88,953,313
20	0	0	0	399,617	344,328	539,482		1,283,427	439,687	89,393,000
21	0	0	0	415,601	364,988	561,062		1,341,651	434,436	89,827,436
22	0	0	0	432,225	386,887	583,504		1,402,617	429,279	90,256,715
23	0	0	0	449,514	410,101	606,844		1,466,459	424,214	90,680,930
24	0	0	0	467,495	434,707	631,118		1,533,320	419,240	91,100,169
25	0	0	0	486,195	460,789	656,363		1,603,347	414,354	91,514,523
TOTALS	79,464,680	0	0	7,899,188	6,243,856	10,663,903	0	104,271,626	91,514,523	

Capital Cost Analysis January 08 & 09, 2025

7. Definitions

DEFINITIONS

Discounted Present Value (DPV)

The DPV is the theoretical value that needs to be set aside today to pay for a future cost. It recognizes that the time value of money is affected by the level of interest earned on available funds.

Net Present Value (NPV)

A NPV calculation is used to account for the fact that \$1 today is not worth the same as \$1 five years from now, due to inflation and interest rates. The use of a NPV calculation is used to take into account the time value of money.

Discount Rate

The discount rate is the combination of investment return and inflation. It acknowledges that money is normally working to accrue interest or dividends that help offset the otherwise devaluing effects of general inflation. The discount rate reflects, at least in part, the interest payable on borrowed money to finance an investment and/or interest lost through use of accumulated equity. A weighted combination of both interest rates if therefore involved. The interest rates may be real or nominal, before or after tax, and may included or exclude profit expectations and risk contingencies.

Discounted Cash Flow (DCF)

The DCF analysis is a technique for assessing the return on capital employed in an investment project over its economic life. The DCF technique focuses on the overall cost consequences of an investment, considering the amount and timing of cash inflows and outflows and envisaged rates of return. The underlying principle is to determine the value of future cash flows generated by an investment opportunity over its economic life.

Mill Rate

The tax per dollar of assessed value of property. The rate is expressed in "mills", where one mill is one-tenth of a cent (\$0.001).

Whole Life Cost

Whole-Life Costs are the Cumulative Total of Capital, Annual, Cyclical and Residual Future Costs Calculated in Today's Dollars (Net Present Value).

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Group2

Architecture Interior Design

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