

TABLE OF CONTENTS

	Page
Executive Summary	i
Facility Profile and Summary	1
Section 1 – Site Conditions	4
Section 2 – Building Exterior	6
Section 3 – Building Interior	8
Section 4 – Mechanical Systems	14
Section 5 – Electrical Systems	17
Section 6 – Portable Buildings	22
Section 7 – Space Adequacy	23
Mini Plans	Ai
Typical Photographs	Photo page 1

Evaluation Team

Architectural

Building Science Specialists

345 305 4625 Varsity Dr. N.W.

Calgary, Alberta T3A 0Z9

Phone: (403) 543-2255 Fax: (403) 241-3015

E-mail: bssl@telusplanet.net

Mechanical/Electrical

J.R. Mayor Consultant

231 Oakridge Circle S.W.

Calgary, Alberta T2V 4H4

Phone/Fax: (403) 281-8022

Executive Summary

In March 2000, Alberta Infrastructure engaged Building Science Specialists to evaluate the condition of 21 schools within the Calgary Board of Education. A standardized form, developed by Alberta Infrastructure and supplied to the evaluation team by the regional coordinator was used to document the condition and recommendations.

The original building was constructed in 1974. Minor renovations have been made to the building, upgrading the Staff Room.

The school is constructed concrete slab on grade. Walls are concrete block with some interior concrete block bearing walls. Roofs are flat, steel deck on OWSJ and steel beams.

Summary of Observations and Recommendations

The school jurisdiction has a roof replacement program. No reports are available for the roof and further investigation is required. The presence of hazardous materials in the building is limited to light ballasts. Asbestos has been removed. This issue is dealt with as the jurisdiction undertakes upgrading. The costs associated with removing hazardous materials have not been included in any of the costing.

Architectural

The exterior of the building is finished in brick and stack bond concrete block. There is a deep stucco fascia. The concert block exterior requires painting. The windows require replacement. Some upgrading of the play areas is necessary. Handicapped accessibility is addressed. Carpets should be replaced in most of the classrooms and new toilet partitions are required. Some additional architectural work is required to accommodate the recommended mechanical and electrical renovations, a cash allowance is provided.

Mechanical

The heating plant is original to the building and requires replacement. The ventilation system will required upgrading and air balancing as well as humidification. A new hot water tank is required.

Electrical

Additional exterior lighting is required. A new fire alarm system is necessary and emergency lighting requires upgrading. Lighting to be upgraded to T-8's and provide additional receptacles in the classrooms.

Costing

The estimated construction costs for the remedial work in the attached evaluation form has been based on the Costing Unit Rate Chart developed by Alberta Infrastructure. Where this data was incomplete or inappropriate to the recommended work, unit costs based on the local Calgary market were used.

1.	Site related work	\$11,000.00
2.	Building exterior	\$71,550.00
3.	Building interior	\$78,000.00
4.	Mechanical systems	\$83,500.00
5.	Electrical systems	\$96,000.00
6.	Portables – n/a	<hr/>
	Total Estimated Costs	\$340,050.00

Space Adequacy

The existing area, according to the School Building Area Guidelines and Supplement – maximum Gross Area of School Building Projects is deficient.

Existing Total Gross Area (square metres)	2813.8
Projected required total gross area (square metres)	<u>3317</u>
Overage / (Deficiency) (square metres)	(503.2)

Further Investigation

Further investigation is required to determine the impact of the removal of hazardous material during any renovation work. Code related issues with respect to fire separations should be reviewed at the time of renovation. There is no report on the roof; it requires further review, as do the roof accessories.

School Plan Data Information

The plan information for the building was supplied by the school jurisdiction. Area information was provided by Alberta Infrastructure. The information generally appears to be up to date with some minor room function revisions.