

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	10
Section 5 – Electrical Systems	17
Section 6 – Portable Buildings	21
Section 7 – Space Adequacy	22
Mini Plans	Ai
Typical Photographs	Photo page 1

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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 1973. Portable pods have been added and removed and no record of timeframe is available. Currently there are five portables attached, see the attached miniplan.

The school is constructed of concrete slab on grade. Walls are concrete block. Roofs are flat, post and timber wood frame.

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 expected in light ballasts. Asbestos has been removed. These issues are 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 with stucco and curtain wall infill panels at the windows. Window sections are to be replaced. Asphalt areas require resurfacing. Washroom partitions require replacement and the gymnasium floor should be refinished. Some additional architectural work is required to accommodate the recommended mechanical and electrical renovations; a cash allowance has been included. No work is contemplated for the portables.

Mechanical

A catch basin is required in the gravel parking lot. The heating plant is original to the building and requires replacement. The existing ventilation system requires extensive upgrading. 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. Upgrade the lighting to T-8's throughout the school and provide additional panel boards..

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	\$21,000.00
2.	Building exterior	\$94,300.00
3.	Building interior	\$44,800.00
4.	Mechanical systems	\$107,000.00
5.	Electrical systems	\$122,000.00
6.	Portables	\$13,000.00
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Total Estimated Costs		\$402,100.00

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)	4031.8
Projected required total gross area (square metres)	<u>5239.0</u>
Overage / (Deficiency) (square metres)	(1207.2)

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. No consideration has been given to the architectural costs of removal of the existing boiler. 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.