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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 1979. Portables were added in 1980. Minor renovations have been made to the building, upgrading the carpets throughout.

The school is constructed concrete slab on grade, concrete block walls with brick exterior skin. Roof is comprised of OWSJ and flat metal roof deck.

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 not anticipated. 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 a wide horizontal metal fascia. The parking lot requires resurfacing. The building is handicapped accessible. New toilet partitions are required. No significant problems are noted.

Mechanical

A standpipe system is required. The fire and domestic water lines require backflow prevention. Peripheral mechanical items including the controls air compressor and hot water heater are required. Complaints of air problems would be handled by air balancing.

Electrical

The fire alarm system requires upgrading, as does the emergency lighting system. New exit lights connected to emergency power are required. All fluorescent fixtures are to be upgraded to T-8's.

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	\$16,700.00
2.	Building exterior	\$0.00
3.	Building interior	\$25,000.00
4.	Mechanical systems	\$38,900.00
5.	Electrical systems	\$89,000.00
6.	Portables	\$53,500.00
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Total Estimated Costs		\$223,100.00

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)	3871.5
Projected required total gross area (square metres)	<u>4254.0</u>
Overage / (Deficiency) (square metres)	(382.5)

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.