Executive Summary

In November 1999, Alberta Infrastructure, School Facilities Branch engaged Stephens Kozak Carr and Brown Architects to conduct evaluations on several schools, located in Central and Northern Alberta. The Consultant Team included Bacz Engineering Ltd. to review mechanical items and Wasnea Mah Engineering Ltd. to review electrical components. The reporting format and evaluation criteria were developed by Alberta Infrastructure and coordinated by Group 2 Architecture, the Central Region Coordinator.

The estimated construction costs for the remedial work recommended in the attached Facility Evaluation form were based, wherever possible, on the Costing Unit Rate Chart figures provided by Alberta Infrastructure. Items not rated in the Rate Chart were estimated with the assistance of local Contractors and Quantity Surveyors and represent current (January 2000) estimated costs.

The original portion of the school was constructed of non-combustible materials in 1958. Non-combustible additions were constructed in 1961 and 1963. The original portion was modernized in 1992. The facility has a capacity rating of 580 students.

Architectural

Requires barrier free access and washrooms. Interior refinishing is required. Some serious drainage problems at north end.

Mechanical

The ventilation system in the original portion does not meet code requirements. The mechanical systems in the remainder of the building must be replaced.

Electrical

The electrical systems are in good condition. More receptacles and circuits are required in the classrooms. Upgraded lighting level is required for the Gymnasium.

Summary

Recommendations and Estimated Cost for Renovation Ratings 3 or Lower

Muir Lake School

1.	Site Work		20,000
2.	Building Exterior		92,800
3.	Building Interior		232,500
4.	Mechanical Systems		418,000
5.	Electrical Systems		73,000
		Subtotal	$836,300
6.	Portables		N/A

Recommendation

Architectural
Interior upgrading of finishes is required. Barrier free accessibility is required.

Mechanical
The mechanical systems should be replaced.

Electrical
Electrical systems should have some upgrading.

Total Estimated Cost $836,300

Space Adequacy

Current School Area is 4,849 square meters.

The school is deficient by 224 square meters however it is larger than currently required. Revisions to the functions and functional relationships should be reviewed.