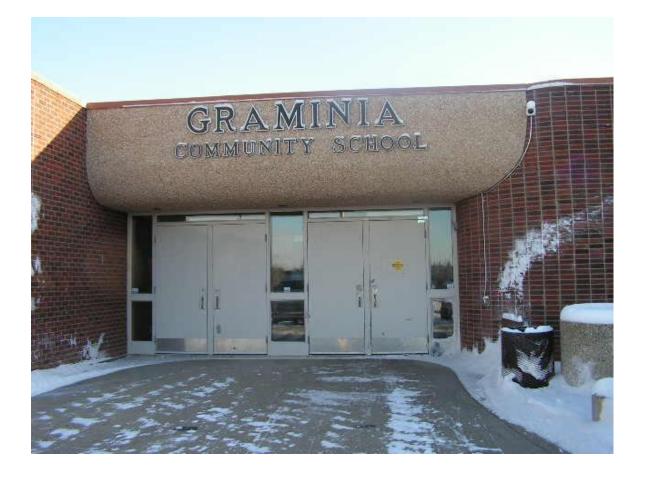
RECAPP Facility Evaluation Report



Graminia School B4051A Spruce Grove

Report run on: January 30, 2006 1:36 PM

Spruce Grove - Graminia School (B4051A)

Evaluation Details Evaluation Company: Stephens Kozak Carr and Brown

Facility Details

Building Name:	Graminia School
Address:	51101 R. R. 271
Location:	Spruce Grove
Building Id:	B4051A
Gross Area (sq. m):	0.00

Replacement Cost: \$9,849,481

Evaluator Name: Mr. Eric Lumley

Evaluation Date: December 1 2004

Total Maintenance Events Next 5 years:\$422,2805 year Facility Condition Index (FCI):4.29%

General Summary:

Construction Year: 0

The building was constructed in 1982 with additions in 1996 and 2003. Portables from 1975, 1981, 1985, 1987 and 1992 were added in 1996. The building is generally in good condition.

Structural Summary:

The structure is concrete slab-on-grade on foundations. The walls concrete block loadbearing, with steel OWSJ and steel roof deck.

Envelope Summary:

The building envelope is in good condition, with minor repairs needed to a stucco fascia, and life-cycle replacement of the roofing membrane required.

Interior Summary:

All interior finishes are in good condition.

Mechanical Summary:

1982 original school heated by perimeter radiation. 1997 addition heated by radiant panels. Heating system consists of coppertube boilers, circulation pumps, distribution piping. Ventilation provided by four (4) built up air systems. Supply air distribution is low velocity with ceiling return and ducted return for gymnasium. Exhaust fans provided to expel foul odors from school. Plumbing fixtures are flush tank water closets, stall and wall urinals, lavatories, stainless steel sinks.

Fire protection consists of fire extinguishers installed on wall hooks or in cabinets.

Items found during school review which should be addressed are:

- Install backflow preventors.
- Replace 25 year old domestic hot water heater.
- Install bottle traps on science room sinks.
- Conduct study to review alternate humidification.
- Install day tank dyke and roof thimble related to emergency generator.

Mechanical systems and components are in fair to good condition.

Electrical Summary:

The school has a 1200 Amp, 120/208 Volt - 3 Phase - 4 Wire electrical service. Branch circuit panelboards are located throughout the facility, some requiring updating of the directories. The lighting system has been recently retrofitted and upgraded with T8, 32 watt lamps and electronic ballasts. Emergency lighting and power is from a diesel powered generator. Fire alarm system is a Mirtone system, it has some deficiencies. Data system is Category 5/5E. The Bogen Multi-Com 2000 sound & intercommunication system and the Panasonic telephone system is operating satisfactorily. Exterior lighting is lacking in the bus lanes, south of the school. Refer to architectural sections for description of the portables electrical systems.

O and the Darlin of	Rating Guide
Condition Rating	Performance
1 - Critical 2 - Poor	Unsafe, high risk of injury or critical system failure. Does not meet requirements, has significant deficiencies. May have high operating/maintenance costs.
3 - Marginal	Meets minimum requirements, has significant deficiencies. May have above average operating maintenance costs.
4 - Acceptable	Meets present requirements, minor deficiencies. Average operating/maintenance costs.
5 - Good	Meets all present requirements. No deficiencies.
6 - Excellent	As new/state of the art, meets present and foreseeable requirements.
S1 STRUCTI	
A1010 Standard F	oundations*
Concrete skin fricti	ion piles and grade beams.
Rating	Installed Design Life Updated
5 - Good	0 100 DEC-04
- 0000	0 100 DE0-04
1030 Slab on Gr	ade*
Concrete slab on g	grade throughout
Rating	Installed Design Life Updated
5 - Good	0 100 DEC-04
31010.01 Floor St	ructural Frame*(Building Frame)
oadbearing conci	
Rating	Installed Design Life Updated
5 - Good	0 100 DEC-04
31010.02 Structur	ral Interior Walls Supporting Floors*
Concrete block loa	adbearing walls throughout.
Poting	he stalled Destand 1/6 Updated
Rating	Installed Design Life Updated
- Good	0 100 DEC-04
31020.01 Roof St	ructural Frame*
Open web steel joi	ists and metal roof decking
Rating	Installed Design Life Updated
- Good	0 100 DEC-04
31020.01.02.09 GI	lue-Lam. Construction: Roof Beams
Exposed glue-lam	beams in library
Rating	Installed Design Life Updated
- Good	0 0 DEC-04
31020.04 Canopie	<u>95</u> *
Steel framing	
lating	
lating	Installed Design Life Updated
- Good	0 50 DEC-04

S2

				Spru	ice Grove -
S2 EN	VELOPE				
<u>B2010.0</u>	1.02.01 Brick Maso	onry: Ext. Wall Sl	<u>kin</u> *		
Facing b	orick exterior rainscr	een to original 19	82 build	ling.	
<u>Rating</u> 5 - Good		Installed Desig	jn Life 75	Updated DEC-04	
<u>B2010.0</u>	1.02.02 Concrete B	lock: Ext. Wall S	<u>Skin*</u>		
Concret	e block facing to 19	97 addition.			
<u>Rating</u> 5 - Good		Installed Desig	j<u>n Life</u> 75	Updated DEC-04	
<u>B2010.0</u>	1.08 Portland Cem	ent Plaster: Ext.	Wall*		
Curved	stucco fascias over	windows and doo	ors in ori	ginal building.	
<u>Rating</u> 3 - Margi	nal	Installed Desig	jn Life 75	Updated DEC-04	
Event:	Replace stucco fi	nish to one secti	ion of fa	ascia	
Concern: Lower portion of stucco fascia has spalled off in one locationRecommendation: replace stucco finish to match existing. Approximately 10 sq.m. of new stucco is required.Type Failure ReplacementYear 2005Cost \$3,240Priority LowUpdated: March 4 2005					
<u>B2010.0</u>	9 Exterior Soffits*				
Metal pe	erforated soffits to c	anopies in 1997 a	addition.		
<u>Rating</u> 5 - Good		Installed Desig	jn Life 20	Updated DEC-04	
B2020.01.01.02 Aluminum Windows*					
Bronze anodized aluminum windows throughout.					
<u>Rating</u> 5 - Good		Installed Desig	jn Life 35	Updated DEC-04	
B2030.0	2.01 Metal Doors a	nd Frames			
Insulate	d hollow metal door	s in pressed stee	Iframes	throughout.	
Dating		In stalls I Desta		Undeted	

Rating	Installed	Design Life	Updated
5 - Good	0	0	DEC-04



B3010.04.04 Modified Bituminous Membrane Roofing (SBS)*

Membrane roofing to 1997 addition.

Rating	Installed	<u>Design Life</u>	Updated
5 - Good	0	25	DEC-04

B3010.04.08 Membrane Roofing (Inverted/ Protected)*

Inverted roofing system to original 1982 building. Roofing report available from owner.

Rating	Installed	Design Life	Updated
3 - Marginal	0	25	DEC-04

Event: Lifecycle replacement of roofing.

Concern:

Roofing is reaching the end of its life expectancy

Recommendation:

Replace roofing. Approximately 5500 sq.m.

Туре	Year	<u>Cost</u>	Priority
Lifecycle Replacement	2008	\$270,000	Unassigned

Updated: March 4 2005

Event: Section identified in roofing report to be replaced in 2005

Concern:

Roofing is at the end of its life expectancy

Recommendation:

Replace section of roofing recommended in roofing report. Approximately 1600 sq.m.

Туре	Year	<u>Cost</u>	Priority
Lifecycle Replacement	2005	\$81,000	Unassigned

Updated: March 4 2005

B3010.07 Sheet Metal Roofing*

Metal roofing and fascias to canopies to 1997 addition.

Rating	Installed	Design Life	Updated
5 - Good	0	40	DEC-04

B3020.01.01.02 Pyramidal Unit Skylights

Plastic skylight unit in 1997 addition.

Rating	Installed	Design Life	Updated
5 - Good	0	0	DEC-04

S3 INTERIOR

05 INTERIOR			
C1010.01 Interior Fixed Pa	artitions*		
Concrete block and gypsu	m board stud interior wa	alls	
Rating 5 - Good	Installed Design Life	e <u>Updated</u> DEC-04	
C1010.05 Interior Window	<u>'S</u> *		
Pressed steel frames with	wired glass.		
Rating	Installed Design Life		
5 - Good	0 40	DEC-04	
C1020.01 Interior Swingin	g Doors*		
Hollow metal doors and sol	id core wood doors in p	pressed steel frames throughout.	
Rating	Installed Design Life		
4 - Acceptable	0 50	DEC-04	
C1020.03 Interior Fire Doc			
Hollow metal fire rated door			
<u>Rating</u> 5 - Good	Installed Design Life	e <u>Updated</u> DEC-04	
		52001	
C1020.04 Interior Sliding a			
Anodized aluminum sliding	-		
<u>Rating</u> 5 - Good	Installed Design Life	e <u>Updated</u> DEC-04	
C1030.01 Visual Display B	soards*		
White board and vinyl faced			
Rating	Installed Design Life		
4 - Acceptable	0 0	DEC-04	
C1030.02 Fabricated Com	partments(Toilets/Sho	wers)*	
Floor supported metal toile	t partitions.		
Rating	Installed Design Life	e <u>Updated</u>	
4 - Acceptable	0 0	DEC-04	
C1030.06 Handrails*			
Pipe handrails to stairs to m	nechanical rooms and u	pper storage rooms.	
Rating	Installed Design Life		
4 - Acceptable	0 50	DEC-04	
C1030.08 Interior Identifying Devices*			
Adequate signage through	out.		
Rating	Installed Design Life		
N/A	0 0	DEC-04	

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C1030.10 Lockers*			
Two tier lockers throughout.			
Rating 4 - Acceptable	Installed Des	sign Life 30	DEC-04
C1030.12 Storage Shelving	Ľ		
Painted adjustable wood she	elving in storag	e rooms.	S.
Rating 4 - Acceptable	Installed Des	<mark>sign Life</mark> 0	e <u>Updated</u> DEC-04
C1030.14 Toilet, Bath, and	Laundry Acce	essories*	*
Commercial grade mirrors, s	soap dispense	rs, rollerp	paper towel dispensers, electric hand dryers, in all washrooms.
Rating 4 - Acceptable	Installed Des	<mark>sign Life</mark> 20	DEC-04
C2010 Stair Construction*			
Steel checker plate stairs to	upper mechar	nical room	ms and storage rooms.
Rating 5 - Good	Installed Des	sign Life 100	DEC-04
C2020.05 Resilient Stair Fi	nishes*		
Resilient tile treads and rubb	per nosings to	stair to up	pper mechanical room in 1997 addition.
Rating 5 - Good	Installed Des	<mark>sign Life</mark> 20	DEC-04
C2020.08 Stair Railings and	d Balustrades	*	
Pipe rail handrails.			
Rating 5 - Good	Installed Des	sign Life 50	DEC-04
C3010.04 Gypsum Board V	Vall Finishes*		
Gypsum board wall finish on	steel studs in	original 1	1982 building and 1997 addition.
Rating 5 - Good	Installed Des	<mark>sign Life</mark> 40	DEC-04
C3010.06 Tile Wall Finishe	<u>s*</u>		
Ceramic wall tile to washroo	ms and change	e rooms.	
Rating 5 - Good	Installed Des	sign Life 50	DEC-04
C3010.11 Interior Wall Pair	nting*		
Paint finish to interior walls the	nroughout.		
<mark>Rating</mark> N/A	Installed Des	sign Life 5	<u>Updated</u> DEC-04

C3010.12 Wall Coverings*		
Cork tile finish to one wall in	each of the administra	ation area offices and conference rooms.
Rating 4 - Acceptable	Installed Design Life 0 10	ife Updated DEC-04
C3010.14 Other Wall Finis	<u>hes*</u>	
Desco Hi-Build epoxy finish	to corridor walls throug	ughout original 1982 building.
Rating	Installed Design Life	
5 - Good	0 0	DEC-04
C3020.02 Tile Floor Finish	<u>IES</u> *	
Ceramic mosaic tile finish to	o washrooms and custo	todial staorage areas in original 1982 building.
Rating 4 - Acceptable	InstalledDesign Life030	ife Updated DEC-04
C3020.04 Wood Flooring*		
Resilient hardwood flooring	in gymasium.	
Rating 4 - Acceptable	Installed Design Life 0 25	ife Updated DEC-04
C3020.07 Resilient Floorin	<u>ıg</u> *	
Vinyl corlon flooring through	nout corridors of origina	al 1982 building.
Rating 4 - Acceptable	InstalledDesign Life020	ife Updated DEC-04
C3020.08 Carpet Flooring*	•	
Carpeting in administration a	areas and some classr	rooms such as the music room and the library.
Rating 4 - Acceptable	Installed Design Life	ife Updated DEC-04
C3020.11 Floor Painting		
Painted concrete floors in m	nechanical rooms.	
Rating	Installed Design Life	
4 - Acceptable	0 0	DEC-04
C3020.14 Other Floor Finis	shes*	
Desco epoxy flooring to kitc	chen area and adjacent	nt washrooms in 1997 addition.
Rating 5 - Good	InstalledDesign Life00	ife Updated DEC-04
C3030.02 Ceiling Paneling	<mark>(Wood)</mark> *	
Cedar board ceilings in mai	n entrance, library, staf	If lounge and conference room in office area.
Rating 5 - Good	Installed Design Life	ife Updated DEC-04

C3030.04 Gypsum Board Ceiling Finishes*

Gypsum board finish to storage rooms, offices and washrooms.

Rating	Installed	Design Life	<u>Updated</u>
4 - Acceptable	0	50	DEC-04

C3030.06 Acoustic Ceiling Treatment (Susp.T-Bar)*

Acoustic lay-in tile in T-bar grid throughout classrooms and corridors.

Rating	Installed	Design Life	Updated
4 - Acceptable	0	25	DEC-04

C3030.07 Interior Ceiling Painting*

Painted gypsum board ceilings in storage rooms, administration offices and washrooms.

Rating	Installed	Design Life	Updated
4 - Acceptable	0	10	DEC-04

S4 MECHANICAL		
D2010.01 Water Closets* 1	982 Original Building	
Floor mounted, flush tank, o	open front seat, elongate	d bowl.
Rating	Installed Design Life	
5 - Good	0 30	DEC-04
D2010.01 Water Closets* 1		
Floor mounted, flush tank, o		
<u>Rating</u> 5 - Good	InstalledDesign Life030	DEC-04
D2010.02 Urinals* 1982 Ori	iginal Building	
Stall type, flush valve.		
Rating 5 - Good	InstalledDesign Life030	Updated DEC-04
D2010.02 Urinals* 1997 Ad	<u>dition</u>	
Wall hung, flush valve.		
Rating 5 - Good	Installed Design Life	Updated DEC-04
D2010.03 Lavatories* 1982	Original School	
Stainless steel bowls with ti	me delay faucets. Pow	ers mix valve in instructors office.
Rating 5 - Good	Installed Design Life 0 30	Updated DEC-04
D2010.03 Lavatories* 1997	Addition	
Stainless steel bowls. Time	e delay faucets.	
Rating 5 - Good	Installed Design Life	Updated DEC-04
D2010.04 Sinks* 1982 Orig	ginal Building	
Stainless steel which vary in	size and function. Swir	ng spout brass.
Rating 5 - Good	Installed Design Life	Updated DEC-04
D2010.04 Sinks* 1982		
Sinks vary in size and function	on. Plumbing brass req	uires upgrade in Room 111, 113.
Rating 3 - Marginal	Installed Design Life	Updated DEC-04
D2010.04 Sinks* 1997		
Sinks vary in size and function	on. Classroom sinks co	mplete with bubbler.
Rating 5 - Good	Installed Design Life	Updated DEC-04

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		Spruce Grove - Grannina School (B4051A)
D2010.05 Showers* 1982		
Time delay valves, institutio	onal head, central mix val	lve. Instructor shower pressure balance mix valve.
Rating 5 - Good	Installed Design Life	e <u>Updated</u> DEC-04
D2010.08 Drinking Founta	<u>ains / Coolers</u> *	
Wall hung fiberglass in 199	7 addition. Wall hung ar	nd semi recessed in 1982 original building. Non refrigerated.
<u>Rating</u> 5 - Good	InstalledDesign Life030	e <u>Updated</u> DEC-04
D2010.09 Other Plumbing	Fixtures*	
Three compartment sink in Dishwasher in staff room.	n kitchen. Utilize chem	micals for sterilization. Bubblers installed at 1997 classroom sinks
<u>Rating</u> 5 - Good	Installed Design Life	e <u>Updated</u> DEC-04
D2020.01.01 Pipes and Tu	bes: Domestic Water*	
Copper piping and fittings.	Plastic distribution pipin	ng installed on drinking water distribution.
<u>Rating</u> 5 - Good	Installed Design Life	e <u>Updated</u> DEC-04
D2020.01.02 Valves: Dome	estic Water	
Non rising stem gate valves	and ball valves.	
Rating 4 - Acceptable	Installed Design Life	e <u>Updated</u> DEC-04
D2020.01.03 Piping Specia	alties (Backflow Preven	ntors)* 1982
Backflow preventor not inst on plumbing brass in science		 beating boilers in 1982 mechanical room. No vacuum breakers install room.
Rating 3 - Marginal	Installed Design Life	e <u>Updated</u> DEC-04
	oreventor on make up li nd vacuum breakers or	
heating system.	entor installed on cold v No vacuum breakers in Prep room, Science roor	nstalled on plumbing
	1: reventor on make up lin kers on plumbing brass.	
<u>Type</u> Code Upgrade	<u>Year</u> <u>Cost</u> 2005 \$1,728	<u>Priority</u> High
Updated: February	y 28 2005	

D2020.02.02 Plumbing Pumps: Domestic Water*

Domestic hot water in line recirculation pumps installed in original school and addition mechanical rooms.

Rating	Installed	<u>Design Life</u>	<u>Updated</u>
5 - Good	0	20	DEC-04

D2020.02.02 Plumbing Pumps: Domestic Water* 2003

Two (2) pressure booster pumps, bladder tanks upgraded in 2003. Provides domestic cold water supply pressure for water obtained from site well/cistern storage tank.

Rating	Installed	<u>Design Life</u>	<u>Updated</u>
N/A	0	20	DEC-04

D2020.02.04 Domestic Water Conditioning Equipment*

Ultraviolet and carbon filter installed for drinking water. Installed in 2003.

Rating	Installed	<u>Design Life</u>	<u>Updated</u>
6 - Excellent	0	0	DEC-04

D2020.02.06 Domestic Water Heaters* 1982

Two heaters installed in mechanical room 104. One heater replaced in 2001, A.O. Smith with damper in flue, 328,500 BTU/hr input, 65 gallon tank. Second heater is original, Rudd Rheem, 324,000 BTU/hr input.

Rating	Installed	Design Life	Updated
3 - Marginal	0	20	DEC-04

Event: Replace twenty three (23) year old domestic hot water heater.

Concern:

Domestic hot water heater life expectancy exceeded.

Recommendation:

Replace domestic hot water heater.

Туре	Year	<u>Cost</u>	Priority
Lifecycle Replacement	2006	\$10,800	Medium

Updated: February 28 2005

D2020.02.06 Domestic Water Heaters* 1997

Installed in mechanical room 204. State heater, 75 gallon storage tank, 75,100 BTU/hr. input, complete with recirculation pump.

Rating	Installed	Design Life	Updated
5 - Good	0	20	DEC-04

D2020.03 Water Supply Insulation*: Domestic

Majority of domestic hot, cold and recirculation piping insulated. Some uninsulated piping at domestic hot water heaters and where pipe repairs have been made.

Rating	Installed	Design Life	<u>Updated</u>
5 - Good	0	0	DEC-04

D2030.01 Waste and Vent	Piping*	
Cast iron and copper.		
Rating 4 - Acceptable	Installed Design Life	DEC-04
D2030.02 Waste Piping Sp	pecialties* 1982	
Counter sinks in Science Ro	oom 113.	
Rating 3 - Marginal	Installed Design Life	DEC-04
Event: Install bottle traps	e	
Concern:	<u>s.</u> talled on counter sinks i	n Room 113.
Recommendation Install bottle traps.		
Type Operating Efficiency	Year Cost Upgrade 2005 \$1,080	<u>Priority</u> High
Updated: February	/ 28 2005	
D2030.03 Waste Piping Eq	uipment*	
Two grinder submersible pu	umps installed in holding	g tank in mechanical room.
<u>Rating</u> 5 - Good	Installed Design Life	e <u>Updated</u> DEC-04
D2040.01 Rain Water Drain	nage Piping Systems*	
Roof drains discharge to gra	ade.	
Rating 5 - Good	Installed Design Life	e <u>Updated</u> DEC-04
D2040.02.04 Roof Drains*		
Cast iron and plastic domes	s, full open flow.	
Rating 5 - Good	InstalledDesign Life040	e <u>Updated</u> DEC-04
D3010.02 Gas Supply Syst	tems*	
Gas distribution piping to he	eating boilers, domestic	hot water heaters, direct fired kitchen make up unit, portable furnaces.
Rating 5 - Good	Installed Design Life	e <u>Updated</u> DEC-04

D3020.01.01 Heating Boilers & Accessories: Steam*

Cast iron sectional boiler for humidification. Complete with pressure relief valve, water level control. Boiler not in operation.

Rating	Installed	Design Life	<u>Updated</u>
3 - Marginal	0	35	DEC-04

Event: Conduct study to review alternate method of humidification.

Concern:

Steam boiler requires daily blow down and chemical treatment monitoring. Maintenance costs high.

Recommendation:

Conduct study to review alternate method of humidification.

Туре	Year	<u>Cost</u>	Priority
Study	2005	\$3,240	Low

Updated: February 28 2005

D3020.01.03 Chimneys	(&Comb. Air) : Steam Boilers*
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Class B chimney.

Rating	Installed	Design Life	<u>Updated</u>
4 - Acceptable	0	0	DEC-04

D3020.01.04 Water Treatment: Steam Boilers*

Chemical treatment and water softener installed.

Rating	Installed	Design Life	Updated
4 - Acceptable	0	0	DEC-04

D3020.02.01 Heating Boilers and Accessories: H.W.* 1982

Two (2) natural draft coppertube Rudd/Rheem boilers, 1,600,000 BTU/hr input. Complete with pressure relief valve, low water cut off, flow switch.

Rating	Installed	<u>Design Life</u>	Updated
4 - Acceptable	0	30	DEC-04

D3020.02.01 Heating Boilers and Accessories: H.W.* 1997

One (1) natural draft coppertube Raypak boiler, 1,125,000 BTU/hr input. Complete with pressure relief valve, low water cut off, flow switch, spark ignition.

Rating	Installed	Design Life	<u>Updated</u>
5 - Good	0	30	DEC-04

D3020.02.02 Chimneys (&Comb. Air): H.W. Boiler* 1982

Class B chimney. Evidence of down draft occurring.

Rating	Installed	Design Life	Updated
4 - Acceptable	0	30	DEC-04

D3020.02.02 Chimneys (&Comb. Air): H.W. Boiler* 1997

Class B chimney. No fire stop at roof penetration.

Rating	Installed	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	0	0	DEC-04

D3020.02.03 Water Treatment: H. W. Boiler*

Chemical pot feeder installed in 1982 original building and 1997 addition mechanical rooms which allows addition of water treatment. Side stream filters installed.

Rating	Installed	Design Life	Updated
5 - Good	0	0	DEC-04

D3020.05 Auxiliary Equipment: Heat Generation*

Air cushion expansion tank.

Rating	Installed	Design Life	Updated
5 - Good	0	0	DEC-04

D3040.01.01 Air Handling Units: Air Distribution* 1982 AS-1

Provides ventilation air for music room, gymnasium, shower area. Air system located in mechanical room 204 consists of supply fan (6,420 l/s), return fan (4,735 l/s), minimum fresh air damper, motorized fresh, return, exhaust air dampers, heating coil, steam grid humidifier, 50 mm throw away filters, low velocity ductwork distribution, three (3) reheat coils.

Rating	Installed	Design Life	Updated
4 - Acceptable	0	30	DEC-04

D3040.01.01 Air Handling Units: Air Distribution* 1982 AS-2

Provides ventilation air for library, support rooms, general office, staff lounge and associated offices. Air system located in mechanical room 104 consists of supply fan (2,500 l/s), return fan (2,400 l/s), minimum fresh air damper, motorized fresh, return, exhaust air dampers, heating coil, steam grid humidifier, 50 mm throw away filters, low velocity ductwork distribution, ceiling return air, two (2) reheat coils.

RatingInstalledDesign LifeUpdated4 - Acceptable030DEC-04

D3040.01.01 Air Handling Units: Air Distribution* 1982 AS-3

Provides ventilation air for south and east classrooms. Air system located in mechanical room 104 consists of supply fan (3,400 l/s), return fan (2,400 l/s), minimum fresh air damper, motorized fresh, return, exhaust air dampers, heating coil, steam grid humidifier, 50 mm throw away filters, low velocity ductwork distribution, ceiling return air, three (3) reheat coils.

Rating	Installed	Design Life	<u>Updated</u>
4 - Acceptable	0	30	DEC-04

D3040.01.01 Air Handling Units: Air Distribution* 1997

Air system for kitchen make up air is located on roof. Consists of combination fresh air hood and filter, motorized fresh air damper with end switch, direct fired burner, supply fan, low velocity ductwork distribution. Capacity 1,700 l/s.

Rating	Installed	Design Life	Updated
5 - Good	0	30	DEC-04

D3040.01.01 Air Handling Units: Air Distribution* 1997

Air system for addition located in mechanical room 204 consists of supply fan, return fan, minimum fresh air damper, motorized fresh, return, exhaust air dampers, glycol heating coil, water spray humidifier, throw away filters, low velocity ductwork distribution, corridor used for return air. Supply fan capacity 5,345 l/s, return fan capacity 3,539 l/s.

<u>Rating</u> 5 - Good	Installed Design Life	e <u>Updated</u> DEC-04
D3040.01.02 Fans: Air Dist	ribution*	
Circulation fans installed in r	music room.	
<u>Rating</u> 5 - Good	InstalledDesign Life00	<u>Updated</u> DEC-04
D3040.01.03 Air Cleaning I	Devices:Air Distributio	<u>on</u> *
Air systems complete with the	hrow away filters.	
Rating 4 - Acceptable	InstalledDesign Life00	e <u>Updated</u> DEC-04
D3040.01.04 Ducts: Air Dis	tribution*	
Each air system complete w	vith low velocity supply a	air ductwork to diffusers or grilles.
<u>Rating</u> 5 - Good	Installed Design Life	DEC-04
D3040.01.05 Duct Accesso	ries: Air Distribution*	
Balancing dampers provided	d in branch line ducts to	o air outlets. Fire dampers installed in fire rated walls.
<u>Rating</u> 5 - Good	Installed Design Life	DEC-04
D3040.01.07 Air Outlets & I	Inlets:Air Distribution	*
Air outlets vary as to type. F	Fixed pattern square dif	fusers, linear grilles, adjustable side wall grilles, fixed bar.
<u>Rating</u> 5 - Good	Installed Design Life	e <u>Updated</u> DEC-04
D3040.02 Steam Distribution	on Systems: Piping/Po	umps*
Low pressure steam piping	to steam grid humidifie	rs. Condensate piped to drain.
Rating 4 - Acceptable	Installed Design Life	e <u>Updated</u> DEC-04
D3040.03.01 Hot Water Dis	tribution Systems* 19	82 Original Building
Two inline pumps circulate h	neated water via black i	ron piping to terminal heat transfer units.
Rating 4 - Acceptable	Installed Design Life	DEC-04

D3040.03.01 Hot Water Distribution Systems* 1997 Addition

Two inline pumps circulate heating water via black iron piping to terminal heat transfer equipment.

Rating	Installed Design Life Updated
5 - Good	0 0 DEC-04
D3040.04 Special Ex	naust Systems
Kitchen range hood e	xhaust fan.
Rating	Installed Design Life Updated
6 - Excellent	0 30 DEC-04
D3040.04.01 Fans*: I	ixhaust
Delhi exhaust fans, co	iling, inline. Residential range hoods.
Rating	Installed Design Life Updated
5 - Good	0 30 DEC-04
D3040.04.03 Ducts*:	<u>Exhaus</u> t
Low velocity exhaust	air ductwork to exhaust air outlets and fans.
Rating	Installed Design Life Updated
5 - Good	0 0 DEC-04
D3040.04.04 Ducts A	ccessories*: Exhaust
Balancing dampers p	ovided in branch line ducts. Fire dampers installed at duct/rated wall penetrations.
Rating	Installed Design Life Updated
5 - Good	0 0 DEC-04
D3040.04.05 Air Out	ets and Inlets*: Exhaust
Exhaust grilles vary a	to year of construction. Egg crate and linear bar installed.
Rating	Installed Design Life <u>Updated</u>
5 - Good	0 0 DEC-04
D3040.05 Heat Excha	ingers* 1997
-	provides heated propylene glycol for classroom air system. Complete with inline circulation pum ical pot feeder, hydro filter.
Rating	Installed Design Life Updated
5 - Good	0 30 DEC-04
D3040.05 Heat Excha	ingers* 1998
	installed in 1982 original building mechanical room provides heated propylene glycol for classro
and office air system	s. System complete with inline circulation pump, expansion tank, chemical pot feeder, hydro filter.

<u>Rating</u>	Installed	Design Life	<u>Updated</u>
5 - Good	0	30	DEC-04

D3050.01.01 Computer Room Air Conditioning Units* 2003

Gas fired packaged rooftop unit complete with heat recovery, economizer and DX cooling coil. Air system provides 8 l/s of outside air per person on year round basis. Supply air diffusers were blocked off due to cold draft. Found gas line isolation valve shut off. Maintenance will address item.

Rating	Installed	Design Life	<u>Updated</u>
5 - Good	0	30	DEC-04

D3050.02 Air Coils*

Duct mounted hot water coils installed in 1997 addition. Eight (8) duct mounted hot water installed in original building air systems.

Rating	Installed	Design Life	<u>Updated</u>
5 - Good	0	30	DEC-04

D3050.03 Humidifiers* 1982

Steam grid humidifiers installed in three (3) air systems. Not operational as steam boiler not in operation.

Rating	Installed	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	0	25	DEC-04

D3050.03 Humidifiers* 1997

Evaporative pad humidifier. Shut down due to high maintenance costs. Pad removal very difficult.

Rating	Installed	<u>Design Life</u>	Updated
3 - Marginal	0	25	DEC-04

Event: Study alternate method of humidification.

Concern:

Evaporative pad humidifier. Shut down due to high maintenance costs. Pad removal very difficult. Alberta Infrastructure Standards and Guidelines for school facilities recommends humidification.

Recommendation:

Study alternate methods of humidification.

Туре	<u>Year</u>	<u>Cost</u>	Priority
Study	2005	\$2,160	Medium

Updated: February 28 2005

D3050.05.02 Fan Coil Units*

Hot water fan coil units (ceiling and wall) installed at building entrances.

Rating	Installed	Design Life	Updated
5 - Good	0	0	DEC-04

D3050.05.03 Finned Tube Radiation* 1982

Radiation element installed in radiation enclosure and within millwork along building perimeter.

Rating	Installed	Design Life	<u>Updated</u>
5 - Good	0	0	DEC-04

D3050.05.06 Unit Heaters* Hot water unit heaters installed in 1982 original building emergency generator machine room. Vertical unit heater installed in 1997 mechanical room. Access difficult. Horizontal unit heater installed in 1982 mechanical room. Rating Installed Design Life Updated 5 - Good DEC-04 0 0 D3050.05.08 Radiant Heating (Ceiling & Floor)* 1977 Ceiling radiant panels installed in 1997 addition. Rating Installed Design Life Updated 6 - Excellent 0 0 DEC-04 D3060.02.01 Electric and Electronic Controls* Electric thermostats cycle entrance heater fan and mechanical unit heaters to maintain set point. Installed Design Life Updated Rating 4 - Acceptable n 30 DEC-04 D3060.02.02 Pneumatic Controls* Duplex air compressor with air dryer provides control air for pneumatic control components in 1982 original school, 1997 and 2003 additions. Pneumatic damper motors installed on air systems. Pneumatic control valves on radiation. Day/night thermostats required control air pressure cycled via BMS. Installed Design Life Updated Rating 5 - Good 40 DEC-04 0 D3060.02.05 Building Systems Controls(BMCS, EMCS)* Siemens BMCS provides global control of mechanical systems. Provides scheduling, night set back. Rating Installed Design Life Updated 5 - Good 30 DEC-04 0 D3090 Other Special HVAC Systems and Equipment* Emergency generator provided with motorized fresh air, relief air and exhaust air dampers. Diesel storage tank and fuel transfer pumps located in gym storage 142. Day tank located adjacent to generator. Rating Installed Design Life Updated 3 - Marginal DEC-04 0 0 Install fuel containment dyke and thimble at roof Event: penetration. Concern: No fuel containment dyke for emergency generator day tank. Thimble not installed at exhaust pipe/roof penetration. **Recommendation:** Install fuel containment dyke and thimble at roof penetration. Priority Туре Year Cost Operating Efficiency Upgrade 2005 \$3,240 High Updated: February 28 2005

D4030.01 Fire Extinguisher, Cabinets and Accessories*

ABC, pressurized water, 2-1/2 gallon pump tank fire extinguishers installed on wall hooks, in cabinets.

Rating	Installed	Design Life	<u>Updated</u>
5 - Good	0	30	DEC-04

D4090 Other Fire Protection Systems*

Kitchen range hood complete with dry chemical fire suppression system.

Rating	Installed	Design Life	<u>Updated</u>
5 - Good	0	0	DEC-04

D4090 Other Fire Protection Systems* 1982

Fire blanket installed in Room 113.

Rating	Installed	Design Life	Updated
6 - Excellent	0	0	DEC-04

S5 ELECTRICAL

D5010.01 Main Electrical Transformers*

1983 pad mounted Fortis transformer located south of the school. Transformer No. 2-194-004. Underground primary from utility pole south of the school, north of Graminia Road. Underground secondary from transformer to MDP.

<u>Rating</u>	Installed	Design Life	Updated
4 - Acceptable	0	40	DEC-04

D5010.03 Main Electrical Switchboards (Main Distribution)*

MDP is a Westinghouse CDP, 1200 Amps, 120/208 Volt - 3 Phase - 4 Wire, installed in 1983. No TVSS, no further spaces for additional breakers. MDP located in Meter Room 109. Maximum demand read from demand meter 125kW (350 amps). There is a Siemens CDP in the adjacent storage room for additional breakers. CDP is rated 600 Amps, 120/208 Volt - 3 Phase - 4 Wire, installed in 1997.

Rating	Installed	Design Life	Updated
4 - Acceptable	0	40	DEC-04

D5010.05 Electrical Branch Circuit Panelboards (Secondary Distribution)*

Westinghouse branch circuit panels, 120/208 Volt - 3 Phase - 4 Wire, 225A bussing, surface and flush, 42 circuits, located in 1983 sections. Some panels are full, some directories inaccurate or missing. Siemens branch circuit panels, 120/208 Volt - 3 Phase - 4 Wire, 225A bussing, surface and flush, 42 circuit, located in 1997 addition. The Computer Room panel has a TVSS integrated into branch circuit panel.

Rating	Installed	Design Life	Updated
4 - Acceptable	0	25	DEC-04

D5010.07 Motor Control Centers (Motor Control)*

Siemens motor control centre located in Mechanical Room 204, multi-section, 400 Amp, 120/208 Volt - 3 Phase - 4 Wire, spaces available for additional starters. Installed in 1997.

Rating	Installed	Design Life	<u>Updated</u>
5 - Good	0	0	DEC-04

D5010.07.02 Motor Starters and Accessories*

Loose motor starters provided throughout the school. Westinghouse loose motor starters in Mechanical Room 104, installed in 1983, constant problems with contactors.

Rating	Installed	Design Life	Updated
3 - Marginal	0	0	DEC-04

Event: Replace Westinghouse loose starters.

Concern:

Constant maintenance problem.

Recommendation:

Replace motor starters with new motor starters.

Туре	Year	Cost	Priority
Lifecycle Replacement	2006	\$5,400	Low

Updated: March 2 2005

D5020.01 Electrical Branch Wiring*

Branch circuit wiring in conduit system, some broken wiring devices and plates. Computer rooms utilize metal wiremold raceways.

Rating	Installed	Design Life	Updated
4 - Acceptable	0	50	DEC-04

D5020.02.01 Lighting Accessories (Lighting Controls)*

GE low voltage system for Gymnasium and Corridor lighting control. Classrooms utilize line voltage switching.

Rating	Installed	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	0	30	DEC-04

D5020.02.02.01 Interior Incandescent Fixtures*

Staff Room uses incandescent pot lights.

Rating	Installed	Design Life	Updated
4 - Acceptable	0	30	DEC-04

D5020.02.02.02 Interior Florescent Fixtures*

Retrofit program in 2001, T8 lamps (735) and electronic ballasts (master/slave). Staff Offices, general office, library, computer rooms, science rooms, classrooms, corridors - 2X4, recessed, acrylic lenses. Home economics - 2X4, suspended, surface, acrylic lensed. Storage/mechanical/electrical rooms - striplights c/w wire guards.

Rating	Installed	Design Life	Updated
5 - Good	0	30	DEC-04

D5020.02.02.03 Interior Metal Halide Fixture*

Large Gym utilizes 350 watt metal halide, industrial, wire guarded fixtures. Small Gym has 350 watt metal halide, box style, industrial fixtures. Lighting upgraded in 2001.

Rating	Installed	Design Life	Updated
5 - Good	0	0	DEC-04

D5020.02.02.05 Other Interior Fixtures*

EXIT lighting units are polycarbonate, LED lamps, white body, red letters, powered from emergency distribution system.

Rating	Installed	Design Life	<u>Updated</u>
5 - Good	0	0	DEC-04

D5020.02.03 Emergency Lighting*

Selected fluorescent light fixtures on emergency panel EM.

Rating	Installed	Design Life	Updated
4 - Acceptable	0	30	DEC-04

D5020.03.01.04 Exterior H.P. Sodium Fixtures*

Vandal resistant wall packs, 150W source, as older units fail, the new packs are used in replacement. Globe fixtures are used at main entrance, can not obtain replacement globes.

Rating	Installed	Design Life	Updated
4 - Acceptable	0	30	DEC-04

D5020.03	.04 Special Purpo	se Lighting*				
In large G	Sym, spot lights are	controlled fro	om a dimm	er panel.	Dimmers are failing.	
Rating		Installed De	esian Life	Updated		
4 - Accept	able	0	0	DEC-04		
D5030.01	Detection and Al	arm Fire Alar	<u>m*</u>			
bells only	in 1983 portion. S	System verifie	d by Tyco-	-Grinnell. N	lo passive graphic. No	, 10" bell/strobes in 1997 section, smoke detector in Main Server Re used as a termination panel.
Rating 3 - Margina	al	Installed De	esign Life 25	<u>Updated</u> DEC-04		
Event:	Investigate existin	q fire alarm s	system to	check		
	code compliance.		-			
I	Recommendation	:				
ļ	Provide a fire alarm	system analy	ysis.			
	Туре	Year	Cost	1	Priority	
	Study	2005	\$5,400	-	High	
	Updated: March 2 2	2005				
Event:	Replace fire alarm	system.				
	Recommendation Provide new fire ala					
-	Type Code Upgrade	<u>Year</u> 2006	<u>Cost</u> \$43,200	-	Priority High	
	Updated: March 2 2	2005				
D5030.02	.02 Intrusion Dete	ction*				
					•	nonitored by Parkland School Dis annot remote access the system.
Rating		Installed De	sign Life			
4 - Accept	able	0	25	DEC-04		
D5030.02	2.04 Video Surveill	ance*				
	eo surveillance sy 4 camera system.		r, multiple>	ker in Gen	eral Office Storage.	Fime lapse VCR is broken and b
<u>Rating</u> 4 - Accept	able	Installed De	esign Life 25	<u>Updated</u> DEC-04		
D5030.03	Clock and Progra	am Systems*				
	master program clo ocks are being repla			ice control	s synchronous clocks	throughout the corridors of the sch
Rating 4 - Accept		Installed De		<u>Updated</u> DEC-04		
	-	-				

D5030.04.01 Telephone Systems*

Panasonic D1232 telephone system located in Generator Room 102. 25 pair main telephone cable into school. System is operating satisfactorily. Telephone sets are in Staff Areas.

Rating Installed Design	Life Updated
-------------------------	--------------

4 - Acceptable 0 25 DEC-04

D5030.04.02 Paging Systems*

Paging system is via Bogen Multicom 2000 system. Class change signals are from Bogen system.

Rating	Installed	Design Life	<u>Updated</u>
4 - Acceptable	0	25	DEC-04

D5030.04.04 Data Systems*

Main Server Room located in Room 114. A small data hub located in Office Storage 126. Category 5 & 5E systems.

Rating	Installed	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	0	0	DEC-04

D5030.05 Public Address and Music Systems*

1997, Bogen MultiCom 2000 sound & intercommunication system, wall mounted in Generator Room 102. DTMF handsets in classrooms with outside line access, recessed speakers in classrooms and corridors. System is operating satisfactorily. Head-end equipment is located in a cold space and it may be an issue.

Rating	Installed	<u>Design Life</u>	Updated
4 - Acceptable	0	0	DEC-04

D5090.02 Packaged Engine Generator Systems (Emergency Power System)*

A CONDEC, 25kVA / 30kW, 120/208 Volt - 3 Phase - 4 Wire, diesel fueled, gen-set located in the Generator Room 102. It has 107 running hours, Schmidtec transfer switch controls the operation of the unit. Emergency panels serve exit lights, selected light fixtures, fire alarm, sound, telephone and security system. Gen-set is original.

Rating	Installed	Design Life	Updated
4 - Acceptable	0	35	DEC-04

S6 EQUIPMENT, FURNISHINGS AND SPECIAL CONSTRUCTION

E1090.03 Food Service Equipment*

Commercial kitchen for hot lunch program, equiped with stainless steel food preparation tables and dish wash-up sinks, gas range and oven, electric food warmer, upright fridge / freezer,chest freezer, reach-in cooler and microwave.

Rating	Installed	Design Life	Updated
5 - Good	0	0	DEC-04

E1090.04 Residential Equipment*

Domestic grade microwave and dishwasher in staff lounge. Commercial coffee / hot chocolate dispenser.

<u>Rating</u>	Installed	<u>Design Life</u>	<u>Updated</u>
4 - Acceptable	0	0	DEC-04

E1090.07 Athletic, Recreational, and Therapeutic Equipment*

Basketball hoops with glass backstops to main court in gymnasium. Sidewall backstops have painted wooden backstops. Steel fan shaped basketball backstops in multi-purpose room in 1997 addition.

Rating	Installed	Design Life	Updated
5 - Good	0	0	DEC-04

E2010.02.05 Educational Facility Casework*

Combination of plastic laminate finished base cabinets and upper storage cabinets and painted base cabinets with plastic laminate finished counter tops. Open shelving.

Rating	Installed	Design Life	Updated
3 - Marginal	0	0	DEC-04

Event: Replace plastic laminate edging to counters

Concern:

Considerable number of counters have damaged plastic laminate edges, making them difficult to keep clean and potentially a safety hazard to students due to loose and broken edging.

Recommendation:

Replace broken edging with new plastic laminate.

Туре	Year	<u>Cost</u>	Priority
Repair	2006	\$10,800	Low

Updated: March 4 2005

E2010.02.07 Kitchen Casework*

Plastic laminate finished base cabinets.

Rating	Installed	Design Life	Updated
5 - Good	0	0	DEC-04

E2010.02.08 Laboratory Casework*

Plastic laminate finished base cabinets and upper cabinets in science rooms.

Rating	Installed	Design Life	Updated
4 - Acceptable	0	0	DEC-04



		Spruce Grove - Gramma School (64051A)
E2010.02.09 Library Case	<u>work*</u>	
Combination of wood and ६	steel adjustable shelving	units. Custom library charge desk.
Rating	Installed Design Life	Updated
I - Acceptable	0 0	DEC-04
E2010.03.01 Blinds*		
/ertical blinds throughout a	dministration area, elswh	ere horizontal venetian blinds.
Rating	Installed Design Life	
4 - Acceptable	0 0	DEC-04
E2020 Moveable Furnishi	ngs*	
/ariety of teachers desks,	office furniture, student d	esks and chairs, throughout.
Rating 4 - Acceptable	Installed Design Life	Updated DEC-04
•		
F1010.02.04 Portable and		
1981 - two groups of four p and painted gypsum board		onstruction. Resilient tile and sheet flooring. Painted gypsum board wa ows. Exterior wood siding.
Rating	Installed Design Life	
3 - Marginal	0 0	DEC-04
Event: Replace deteriora maintenance sidi	ated wood siding with long.	<u>ow</u>
Concern:		
0	 deteriorated and rotted enetrations and downspo 	
Recommendation		
Replace deteriora siding. Approxima	ated wood siding with lov tely 260 sq.m.	v maintenance metal
Туре	<u>Year</u> <u>Cost</u>	Priority
Type Failure Replacemer		Priority Low

F1010.02.04 Portable and Mobile Buildings

1985 - single portable with corridor. Frame construction. Resilient tile and sheet flooring. Painted gypsum board walls and ceilings. Aluminum windows. Exterior wood siding.

Rating

Installed Design Life Updated 3 - Marginal 0 0 DEC-04

Event: Replace deteriorated wood siding with low maintenance siding.

Concern:

Wood siding is deteriorated and rotted at window penetrations and downspout locations.

Recommendation:

Replace deteriorated wood siding with low maintenance metal siding. Approximately 45 sq.m.

Туре	Year	<u>Cost</u>	Priority
Failure Replacement	2006	\$4,320	Low

Updated: March 4 2005

F1010.02.04 Portable and Mobile Buildings

1987 - single portable. Frame construction. Resilient tile floor. Painted gypsum board walls and ceiling. Aluminum windows. Exterior wooden siding.

Rating	Installed	Design Life	<u>Updated</u>
3 - Marginal	0	0	DEC-04

Replace deteriorated wood siding with low Event: maintenance siding.

Concern:

Wood siding has deteriorated and rotted at window penetrations and downspout locations.

Recommendation:

Replace deteriorated wood siding with low maintenance metal siding. Approximately 45 sq.m.

Туре	Year	<u>Cost</u>	Priority
Failure Replacement	2006	\$4,320	Low

Updated: March 4 2005

F1010.02.04 Portable and Mobile Buildings

1992 - single portable. Frame construction. Resilient tile flooring. Painted gypsum board to walls and ceilings. Aluminum windows. Metal siding to exterior.

Rating	Installed	<u>Design Life</u>	Updated
4 - Acceptable	0	0	DEC-04

F1010.02.04 Portable and Mobile Buildings

1975 - group of two washroom portables. Frame construction. Sheet flooring, painted gypsum board walls and painted gypsum board ceilings. Metal toilet partitions. Aluminum windows. Wood exterior siding.

Rating

3 - Marginal

Installed Design Life Updated

Event: Wood siding is deteriorated and in need of replacement with a low-maintenance siding.

Concern:

Wood siding is deteriorated and in need of replacement. Localized areas of rot at window penetrations and downspout locations.

Recommendation:

Replace with low maintenance metal siding. Approximately 90 sq.m.

Туре	Year	Cost	Priority
Failure Replacement	2006	\$8,640	Low



Updated: March 4 2005

F1010.02.04 Portable and Mobile Buildings

1993 - group of three portables. Frame construction. Resilient tile and sheet flooring. Painted gypsum board walls and ceilings. Aluminum windows. Exterior siding to exterior.

Rating	Installed	Design Life	Updated
4 - Acceptable	0	0	DEC-04

F2020.01 Asbestos*

Unknown. Recommend that a hazardous materials assessment be carried out.

RatingInstalledDesign LifeUpdatedN/A00DEC-04

Event: Conduct hazardous materials audit

Concern: Presence of hazardous nmaterials is unknown

Recommendation:

Conduct hazardous materials audit

<u>Type</u>	Year	<u>Cost</u>	Priority
Hazardous Material	2005	\$3,240	Low
Management Upgrade			

Updated: March 4 2005

Spruce Grove - Graminia School (S4051)

Evaluation Details	
Evaluation Company: Evaluation Date: Evaluator Name:	
Total Maintenance Events Next 5 years:	\$1,080 0%
	Evaluation Company: Evaluation Date: Evaluator Name:

General Summary:

The sports fileds, bus drop-off lane and parking lot are in goods condition. An enlarged parking lot is required with asphalt surface.

Structural Summary:

Envelope Summary:

Interior Summary:

Mechanical Summary:

Electrical Summary:

Rating Guide			
Condition Rating	Performance		
1 - Critical	Unsafe, high risk of injury or critical system failure.		
2 - Poor	Does not meet requirements, has significant deficiencies. May have high operating/maintenance costs.		
3 - Marginal	Meets minimum requirements, has significant deficiencies. May have above average operating maintenance costs.		
4 - Acceptable	Meets present requirements, minor deficiencies. Average operating/maintenance costs.		
5 - Good	Meets all present requirements. No deficiencies.		
6 - Excellent	As new/state of the art, meets present and foreseeable requirements.		

S7 SITE

G2010.02.02 Flexible Pavement Roadway (Asphalt)*
Asphalt surfaced access road and bus drop-off lane.
RatingInstalledDesign LifeUpdated4 - Acceptable00
G2020.02.02 Flexible Paving Parking Lots(Asphalt)*
Asphalt sufaced parking lot
RatingInstalledDesign LifeUpdated4 - Acceptable00
Event: Provide asphalt surfacing to parking lot to provide for additional required parking.
Concern: Overflow parking is on grassed surface
Recommendation: Provide asphalt surface to overflow parking. Approximately 2000 sq.m.
TypeYearCostPriorityProgram Functional Upgrade2006\$97,200LowUpdated:February 25 20052005Low
G2020.05 Parking Lot Curbs and Gutters*
Curb at drop-off lane and parking lot.
RatingInstalledDesign LifeUpdated4 - Acceptable00
G2020.06.03 Parking Lot Signs*
Metal signs on steel angle uprights.
RatingInstalledDesign LifeUpdated4 - Acceptable00
G2020.06.04 Pavement Markings*
Painted stall lines
RatingInstalledDesign LifeUpdated4 - Acceptable00
G2030.04 Rigid Pedestrian Pavement (Concrete)*
Concrete sidewalk to the west and south faces of the building, between the car park and the drop-off lane and the schoo
RatingInstalledDesign LifeUpdated4 - Acceptable00

G2030.06 Exterior Steps and	nd Ramps*		
Wood steps and ramps fror	n portables.		
Rating 4 - Acceptable	Installed Design	gn Life 0	Updated
G2040.02 Fences and Gate	<u>*s*</u>		
Chain link fence to south of site.	property and ar	ound the	e septic field pump house. Farmers port and wire fence to remainder o
Rating 4 - Acceptable	Installed Design	gn Life 0	Updated
G2040.03 Athletic and Rec	reational Surfac	<u>ces*</u>	
2 ball diamonds with chain Community League.	link backstops.	6 socce	er fields. Play equipment. Adjacent outdoor hockey rink operated by
Rating 4 - Acceptable	Installed Design	gn Life 0	Updated
G2040.05 Site and Street F	urnishings*		
Concrete site furnishings (ta	ables) at main en	trance.	
Rating 4 - Acceptable	Installed Design	gn Life 0	Updated
G2040.06 Exterior Signs*			
School sign , individual cast	aluminum letters	s on fasc	cia at main entrance. Site and parking / drop-off signage.
<u>Rating</u> 5 - Good	Installed Design	gn Life 0	Updated
G2040.08 Flagpoles*			
Single flagpole located at m	ain entrance.		
Rating 4 - Acceptable	Installed Design	gn Life 0	Updated
G2050.04 Lawns and Gras	<u>ses</u> *		
Site and playing fields are g	grassed.		
Rating 4 - Acceptable	Installed Design	gn Life 0	Updated
G2050.05 Trees, Plants and	d Ground Cove	<u>rs</u> *	
Landscaped area adjacent t	to the south and	west fac	es of the building.
Rating 4 - Acceptable	Installed Design 0	<mark>gn Life</mark> 0	<u>Updated</u>

G3010.02 Site Domestic Water Distribution*

Well water and 45,000 litre storage tank. In 2003 two submersible pumps with necessary floats and controls were installed in the tnk in the pump house.

RatingInstalledDesign LifeUpdated5 - Good00

G3010.03 Site Fire Protection Water Distribution*

88,000 litre tank for fire fighting installed in 1997.

RatingInstalledDesign LifeUpdated3 - Marginal00

Event: Install new fire hydrant.

Concern:

Existing fire hydrant is inoperative.

Recommendation:

Install new fire hydrant.

Туре	Year	<u>Cost</u>	Priority
Operating Efficiency Upgrade	2006	\$19,440	High

Updated: February 25 2005

G3020.01 Sanitary Sewage Collection*

Piped sewage system to pump house for septic field.

Rating	Installed D	esign Life	<u>Updated</u>
4 - Acceptable	0	0	

G3020.02 Septic Systems*

Septic field

RatingInstalledDesign LifeUpdated4 - Acceptable00

G3020.03 Sanitary Sewage Equipment*

Pump and grinder system to feed septic field

Rating	Installed	Design Life	Updated
4 - Acceptable	0	0	

G3030.01 Storm Water Collection*

Downspouts discharge to splashpads at surface.

Rating	Installed	Design Life	<u>Updated</u>
5 - Good	0	0	

G3060.01 Gas Distribution*

Natural gas to internal meter.

Rating	Installed	Design Life	<u>Updated</u>
5 - Good	0	0	

G4010.02 Electrical Power Distribution Lines*

Underground primary and secondary power lines. Telus srevice is underground from pole west of site.

Updated

Rating	Installed	Design Life
4 - Acceptable	0	0

G4010.04 Car Plugs-ins*

Car parking receptacles and in I-beam posts. Receptacles are timeclock controlled and temperature controlled. Equipment located in existing exterior enclosure in staff parking area. 56 stalls, 2x14 duplex receptacles. There are broken receptacles and device cover plates.

RatingInstalledDesign LifeUpdated3 - Marginal00

Event: Replace coverplates and plug-ins

Concern:

Cover plates are broken

Recommendation:

Replace broken cover plates

Туре	Year	<u>Cost</u>	<u>Priority</u>
Repair	2006	\$1,080	Low

Updated: February 25 2005

G4020.01 Area Lighting*

HPS wall packs are provided for area lighting. Pole mounted luminaires are provided in staff parking, one pole light in bus lane. There are areas where there is poor lighting, south of the school, and the bus lane.

Rating	Installed	Design Life	<u>Updated</u>
3 - Marginal	0	30	

Event: Add wall packs and pole mounted lights.

Concern:

Poor light levels create potential safety hazard and prone to vandalism.

Recommendation:

Add wall packs and light poles.

Туре	Year	<u>Cost</u>	<u>Priority</u>
Program Functional Upgrade	2006	\$5,400	Medium

Updated: February 25 2005

S8 FUNCTIONAL ASSESSMENT

K40	Current	Code	Issues

No cose issues identifed.

Rating	Installed	Design Life	Updated
5 - Good	0	0	DEC-04

K4010.01 Barrier Free Route: Parking to Entrance

Barrier free access to main entrance

Rating	Installed	Design Life	Updated
5 - Good	0	0	DEC-04

K4010.02 Barrier Free Entrances

Power assisted entrance door.

Rating	Installed	Design Life	Updated
5 - Good	0	0	DEC-04

K4010.03 Barrier Free Interior Circulation

Barrier free access throughout.

Rating	Installed	Design Life	Updated
5 - Good	0	0	DEC-04

K4010.04 Barrier Free Washrooms

Barrier free washrooms provided.

Rating	Installed	Design Life	Updated
5 - Good	0	0	DEC-04