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HALIFAX REGIONAL SCHOOL BOARD

2007/08 Operations Services Operating Capital Project Update

PURPOSE:

This report is submitted by Operations Services to the Board for information regarding the HRSB capital upgrade, renovation, repair and maintenance projects completed at schools during the period of April 1, 2007 to submission date.

BACKGROUND:

The Halifax Regional School Board's Operations Services Department allocates funding annually within the HRSB Operating budget to be directed toward ongoing capital maintenance upgrades and repairs.

With a combination of funding from various sources, the Halifax Regional School Board Operations Services department has been able to accommodate a greater variety and scope of projects over successive years which has provided a means to address long outstanding deferred maintenance and capital upgrades to the point that we have witnessed a substantial reduction of health and safety concerns resulting from poor indoor air quality, enabling provision of technology upgrades and program/administrative requests.

The Operations Services department also receives funding annually from Department of Education Facilities Department for completion of additional "operating capital" projects. These projects typically include priority building envelope repairs. However, this year a portion of the funding is also required to be directed to regulatory issues regarding fire safety deficiencies.

Additionally, for the 2007-08 school year, Operations Services has received approval of business plans for additional one time and status quo funding that has allowed for completion of larger projects, deferred maintenance and ongoing energy retrofit initiatives. It should be noted that one time funding for targeted projects has been increasing over the past few years and this year has seen approval of yet additional funding as will be described herein.

Operations Services administrative staff develop capital project budgets that include established department priorities such as building envelope and plant system upgrades, as well as school requests submitted by principals for program and administrative renovations. Priorities are considered based on health and safety, regulatory, building envelope, accessibility/special needs, program and administrative requirements.

CONTENT:

The list below shows the sources of funding for the 2007/08 HRSB Operations Capital budget.

Distribution of 2007/08 Operations project funding includes:

2007/08 HRSB Operations Capital	\$ 2,194,000.00
2007/08 DOE Operating Capital	\$ 577,600.00
Deferred Maintenance	\$ 500,000.00
Ventilation Upgrade ESDH	\$ 350,000.00
Accessibility	\$ 200,000.00
Lighting Retrofit	\$ 500,000.00
Relocation	\$ 50,000.00
Total	\$ 4,371,600.00

(Note: This list does not include funding provided for ongoing maintenance and repairs or Information Technology upgrades and initiatives.)

Utilizing these funding allocations, Operations Services developed a capital project plan that included over 100 capital projects to be completed at more than 70 school sites during the 2007/08 budget year. The attached list in Appendix A identifies HRSB and DOE funded projects and associated cost estimates.

The projects include roof replacements, window replacements, exterior masonry, exterior painting, fuel tank replacement, water service upgrades, ventilation system cleaning/balancing, ventilation system replacement, sound attenuation in gymnasiums and music rooms, entry door upgrades, asbestos remediation, heating system upgrades, PA system upgrades, refinishing/replacing gym floors, etc., all of which are described in greater detail in Appendix B.

HRSB Operations Services recognizes the ongoing support from the Board and the benefits achieved from successful implementation of such initiatives as lighting retrofits, plant and building envelope upgrades, preventive maintenance, regulatory compliance and technology implementation.

It should be noted that the successes described above were managed during the roll out or “go live” of SAP Plant Maintenance. During the course of learning and implementing this new work order software system, Operations has been able to productively manage a broad array of projects, contracts and initiatives while also maintaining the regular summer clean up program, continuing to strive for safe and fiscally responsible execution of work, while maintaining healthy and safe learning environments.

COST: All costs are previously authorized budget allocations.

FUNDING: There is no requirement for additional funding approval.

TIMELINE: All work is currently scheduled to be completed within this fiscal year, with the exception of the ESDH ventilation/electrical upgrade.

APPENDICES: **Appendix A-2007/08 Operations Services Capital Budget project list**
Appendix B-Narrative of 2007/08 projects completed
Appendix C- 2007/08 Special Needs project list

RECOMMENDATIONS: It is recommended that the Board accept this report for information.

COMMUNICATIONS:

From: For further information please contact Ron Heiman, Coordinator Operations Central Services at rheiman@hrsb.ns.ca.

To: *This section would be a listing of all of the persons and/or groups who would receive notice about any action arising from the approval and/or acceptance of the report. As well, consistent with a communication protocol this section would outline any further action resulting from approval of the report, i.e. in-services, training, meeting with school advisory councils, etc.*

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Appendix A-HRSB Operations Capital project List 2007-2008

School Name	Building Envelope	Actual Cost
Admiral Westphal	Lift Installation	\$ 143,754.00
Alderney School	Gym Heating system upgrade	\$ 7,500.00
Alderney School	Install sound barrier panels in gym.	\$ 11,757.96
Alderney School	Windows - Lower Elevation	\$ 52,988.34
Ashlee Jefferson	Replace Fuel Tank	\$ 19,777.86
Astral Drive Jr High	Upgrade BAS	\$ 50,000.00
Terence Bay	Windows from Music Room to 4/5 classroom need to be replaced	\$ 32,851.38
Auburn Drive	Chemistry lab cabinet ventilation	\$ 13,855.12
Basinview Drive Community School	the gym floor and the moveable wall needs to be repaired	\$ 10,000.00
Bedford Junior High School	refinish parquet gym floor	\$ 14,022.00
Bell Park Academic Centre	Replace main entry doors	\$ 7,930.98
Bicentennial School	Windows upgrade - Rear Elevation	\$ 72,769.62
Brookhouse	Install sound attenuation panels in gym.	\$ 10,465.20
Brookside Junior High	AHU Replacement for roof section B replacement	\$ 55,734.60
Brookside Junior High	Reservoir and Conditioner -	\$ 45,000.00
Brookside Junior High	Roof Replacement, section B	\$ 83,847.00
Brookside Junior High	Deferred Maintenance - Roof section replacement	\$ 77,178.00
Burton Ettinger School	replace wooden exterior doors--2 pairs	\$ 15,000.00
Burton Ettinger School	repair/refinish or replace gymnasium floor	\$ 12,169.50
Caledonia Junior High School	Ventilation 20 unit not working	\$ 25,969.20
Caudle Park Elem.	Door Replacement, front entry	\$ 7,000.00
Cavalier Drive	Rain Gutters	\$ 10,000.00
Cavalier Drive	Door Replacement, front entry	\$ 15,000.00
Central Spryfield	Remove asbestos ceiling tile from old wing	\$ 18,126.00
Central Spryfield	Repointing needed	\$ 22,300.00
Charles P. Allen High School	window replacement	\$ 192,834.92
Colby Village	Roof Section C	\$ 47,766.00
Cole Harbour District High School	Clean and balance ventilation system	\$ 12,939.00
Cornwallis Junior High School	Tiling the wood shop/music rm floor	\$ 5,348.00
Cornwallis Junior High School	New Windows in the Fine Arts room.	\$ 17,991.48
Cornwallis Junior High School	replace 2nd cast iron boiler	\$ 33,003.00
Crichton Park Elementary	Retrofit 2nd boiler	\$ 26,511.84
Cunard Junior High School	replace boiler	\$ 110,523.00
Cunard Junior High School	retiling and relining gym floor	\$ 31,880.10
Dartmouth High School	Windows upgrade in courtyard	\$ 45,500.82
Dartmouth Teachers Center	Paint exterior	\$ 15,000.00

School Name	Building Envelope	Actual Cost
Duc d'Anville	Roof section replacement	\$ 69,752.04
Duc d'Anville	Fuel Tank Replacement	\$ 20,708.73
Dutch Settlement - RK	PAINT exterior of bldg	\$ 10,830.00
Eastern Shore District High	old wing exit doors replaced	\$ 13,080.36
Eastern Shore District High School	Ventilation/electrical upgrades	\$ 350,000.00
Elizabeth Sutherland	Replace entrance and exit doors	\$ 10,000.00
Eric Graves Memorial Jr High	Clean and balance ventilation system	\$ 7,826.10
Fairview Jr High	Pedway Construction	\$ 176,814.00
Fairview Jr High	Upgrade BAS	\$ 50,000.00
Five Bridges Junior High	Replace signal buttons and controller on elevator	\$ 40,000.00
Gaetz Brook Jr. High	Replace existing PA System.	\$ 6,500.00
Gaetz Brook Jr. High	Clean and balance ventilation system	\$ 8,829.30
George Bisset	Gym Roof Section A (Inverted)	\$ 55,404.00
Georges P. Vanier	Repoint and caulk around windows	\$ 29,499.78
Gertrude Parker Elementary	Roof Replacement, section A	\$ 83,900.00
Hammonds Plains Elementary	Boiler room ceiling should be insulated.	\$ 8,000.00
Hammonds Plains Elementary	Ventilation Ducts cleaned and balanced.	\$ 8,458.80
Harbourview Elementary	Gym Floor to be replaced (currently Tarquet Floor)	\$ 45,235.20
Harrietsfield Elementary	The boys washroom on the ground floor requires repairs/ replacement to the countertop and tile floor.	\$ 24,000.00
Harry R Hamilton	Retile approx. half of each hallway	\$ 10,000.00
Harry R Hamilton	Water Main - \$150,000 (this includes approx \$50,000.00 mandatory for installation of line)	\$ 50,000.00
Hawthorn	Windows Upgrades on front elevation	\$ 9,627.30
Hawthorne	Retrofit 2nd boiler to natural gas	\$ 25,808.46
Highland Park	RETAINING WALL	\$ 47,880.00
Highland Park	Install water service	\$ 75,240.00
Holland Rd	upgrade fire alarm panel	\$ 4,199.53
Humber Park School	replace roof section C	\$ 42,338.46
Ian Forsyth	Window replacement	\$ 136,762.38
J.L. Ilsley High School	Main Office Renovation.	\$ 10,000.00
J.L. Ilsley High School	Fuel Tank Replacement	\$ 41,631.40
Joseph Giles	Clean and balance ventilation system	\$ 10,000.00
Joseph Giles School	Roof Section B	\$ 62,293.02
Joseph Howe	Replace asbestos ceiling in boiler room	\$ 22,000.00
LeMarchant	Upgrade gym heaters	\$ 25,000.00
Leslie Thomas	Replace main entry doors	\$ 12,000.00
Leslie Thomas	Window structure repairs (through wall flashing)	\$ 12,000.00
Leslie Thomas	Oil tank Replacement	\$ 21,189.01
Musq. Valley Ed Center	Municipal water line installation	\$ 65,000.00
Oldfield Consolidated	Repair roof section B	\$ 52,440.00
Oxford School	Window replacements rear elevation	\$ 169,569.30
Prince Arthur Junior High	Replace exterior door by caretakers room - 1 set	\$ 13,741.38

School Name	Building Envelope	Actual Cost
Prospect Road Elementary	Extend Chimney 6 feet	\$ 8,000.00
Prospect Road Elementary	Replace Siding, back section of gym - \$35,000	\$ 22,546.00
Rockingham	Replace gym roof	\$ 70,520.40
Sackville Hts Jr High	Renovate computer room (in house)	\$ 6,000.00
Saint Mary's Elementary	New windows, principal's office, staff room.	\$ 6,127.50
Shatford Memorial	Replace PA System	\$ 6,500.00
Sheet Harbour Elem.	refinish parquet gym floor	\$ 18,961.62
Sheet Harbour Elem.- RK	paint interior complete	\$ 15,000.00
Sir John A MacDonald	Fuel Tank Replacement	\$ 40,000.00
South Woodside Elem.	Clean and balance ventilation system	\$ 4,497.30
Springvale Elementary School	Replace end exit doors and gym doors	\$ 8,000.00
Springvale Elementary School	refinish gym floor	\$ 14,535.00
Springvale Elementary School	Fix mortar at the side of the building to stop interior water damage	\$ 22,700.00
Sunnyside - Waverley Road	painting exterior of bldg	\$ 7,410.00
Tantallon Sr. Elem	Roof Replacement, A	\$ 75,900.00
William King Elementary	Install water service	\$ 45,144.00
Various schools	Install magnetic door holders on stairwell fire doors	\$ 50,000.00
Total*		\$ 3,733,695.29

* Note that the total cost for capital projects does not include the costs for the lighting retrofit projects (\$500,000.00)

Appendix B- Description of 2007-2008 projects completed

Building Envelope:

HRSB continues to see improvements to over all building envelopes throughout the Board, resulting in reduced Indoor Air Quality investigations (caused by water/air infiltration), as well as improving the energy efficiency of our buildings by installing tighter roof and window systems with increased R-value.

Roof sections were replaced over the summer using two-ply modified bitumen systems at Brookside Jr High, Colby Village, Duc d'Anville, George Bissett, Gertrude Parker, Humber Park, Joseph Giles, Oldfield Consolidated, Rockingham and Tantallon Elementary schools.

The upgraded aluminum frame double-double hung **window systems** are providing greater flexibility for ventilation, increased natural lighting as well as added safety for operators. Window systems were replaced at Alderney, Bicentennial, Dartmouth High, Charles P Allen High, Cornwallis Jr High, Hawthorn, Oxford, St Mary's and Terence Bay schools.

New aluminum entry door systems were installed or are in progress at Bell Park Academic Center, Burton Ettinger, Caudle Park, Cavalier Drive, Eastern Shore District High, Elizabeth Sutherland, Leslie Thomas, Prince Arthur, Springvale and Waverly Road schools

This year **exterior painting** included completion of three sites with cedar shake exterior cladding. These include Waverly Road, Dutch Settlement and Dartmouth Teachers Center. Interior painting occurs year round by in house staff and continues to be successful as we schedule rotation of our regionally assigned painting staff through all our buildings.

Plant Services:

Operations Services has implemented a number of upgrades to plant systems including plumbing services, heating systems, electrical systems and ventilation systems.

HRSB connected **municipal water systems** to sites formerly on wells over the past year including Herring Cove Jr High, William King Elementary and Musquodoboit Valley Education Center. Engineering has been started for connection of municipal water supply to Beaver Bank Monarch and Harry Hamilton elementary schools. Using information provided by Halifax Regional Water Commission, we have also identified deteriorated and leaking systems, and completed water service upgrades at Highland Park Elementary school.

Several additional sites have had backflow prevention devices installed on the municipal water supply service which is a regulatory requirement by HRM.

HRSB is now in the first year of its second ten year rotation of **ventilation systems cleaning and balancing**. Started in 1996, a commitment was made to clean all ventilation systems over ten years. As the program progressed, it was evident that resulting air flows were not to design and air system balancing was included as a component of the cleaning process. With initial cleaning of all systems completed, we are now committed to continue to assess systems annually and provide resources to clean and balance identified priorities. The schools completed this year include Brookside, Cole Harbour District, Eric Graves, Hammonds Plains, Joseph Giles and South Woodside schools. Again, we believe this has contributed to improved comfort and air quality, resulting in a reduced number of Indoor Air Quality investigations.

In addition to the regular annual boiler/burner cleaning and maintenance performed by HRSB burner mechanics, heating system **boiler upgrades** were completed at Cornwallis Jr High, Crichton Park Elementary, Cunard Junior High, Hawthorn Elementary. Crichton Park and Hawthorn are two sites we have connected to natural gas. Operations will continue to assess viability for connection to natural gas as fuel tank replacements are considered.

Fuel Storage tanks were replaced without incident of contamination at Ash Lee Jefferson, Duc d'Anville, JL Ilesley High, Leslie Thomas Jr High and Sir John A MacDonald High schools. It should be noted that in the past year we have received reports of compliance, confirmed through NSDEL, for investigation and effective remediation/management of past fuel contamination sites including Prince Andrew, Caldwell Road, Millwood High, Gorsebrook Junior High, Tallahassee Elementary and St Patrick's High schools.

A first this year for HRSB Operations Services is the award of a contract to provide complete routine maintenance services for all ventilation systems, controls and components at every school building. It is anticipated that delivery of this service will result in greater improvements to indoor air quality that will complement the gains made from building envelope repair program.

The rooftop exhaust systems at Caledonia Junior High were replaced this summer and have made a noticeable improvement to the quality of the indoor environment of the school.

Inspection and maintenance of the life safety fire detection and suppression systems remains a priority for the department. The inspection and maintenance services are performed under contract with a vendor and by in-house personnel with reports submitted to this department twice annually for sprinkler sites and once annually for fire alarms.

Electrical:

The **public address** systems at Shatford Memorial and Gaetz Brook Jr High schools were replaced as well as the fire alarm panel at Holland Road school.

A **computer lab** was constructed at Sackville Heights Junior High. The existing computer labs at Prince Andrew High school required substantial upgrades to meet code requirements for power supply.

Security Alarm panels were upgraded at 40 sites which has provided the ability for web based communication with the panels. All systems are now remotely accessible for downloads and program revisions as well as troubleshooting.

Installation of additional electrical circuits and security alarm intrusion detection devices were completed at many schools to accommodate installation of additional computers by IT.

Regular annual **electrical inspections** by Nova Scotia Power Inc. of electrical system repairs and upgrades result in orders to Operations for everything from removal of extension cords to distribution panel replacements.

The **Building Automation Systems (BAS)** at six schools were upgraded from their original configuration to be web based systems connected to the new designated server at the 90 Alderney office. HRSB IT department assigned one personnel to assist with development of the graphics implementation, to ensure that all future BAS upgrades are installed to the same standard design. Although training was required and is ongoing for this new skill set, the graphics are substantially

complete. This is a large accomplishment given the timeline and extent of training required and is considered to be a successful project to date.

Lighting Retrofit:

Additional funds (\$500,000.00) have been allocated for continuation of the lighting retrofit project. This project started last year and we are beginning to see results of reduced consumption at affected locations. To date, there are 32 schools that we have completed or are currently in progress by contracted services and in-house personnel.

The work includes replacement of existing light fixtures with new electronic ballast fixtures. The number of fixtures in each space is reduced as necessary to achieve appropriate lighting levels.

We are also installing occupancy sensors in washrooms to achieve savings by shutting off lights when the spaces are unoccupied.

Interior Finishes:

In addition to the successful completion of **routine annual cleaning and floor maintenance** by HRSB staff, several other projects were completed over the summer to enhance the interior environment at many schools.

Installation of **sound attenuation panels** to reduce noise reverberations was recognized by Operations and the OHS manager as a requirement to address hearing impact health and safety concerns for staff and students in gymnasiums in LeMarchant St Thomas, Brookhouse and Alderney elementary schools.

Refinishing wood floors was completed in gymnasiums at Bedford Junior High, Burton Ettinger, Sheet Harbor Elementary and Springvale Elementary schools. Vinyl tiles were replaced at Cunard Jr High and Harbourview Elementary gymnasiums. VCT floor tiles were also replaced in the hallways at Harry R Hamilton school.

Interior painting continues successfully year round by in house staff and contractors. We schedule and track rotation of regionally assigned painting staff through all our buildings. Over fifty schools have had interior painting completed since the start of this fiscal year.

Once again this summer there were sixteen caretakers temporarily assigned to general maintainer positions which provided crucial assistance with the organization, collection and redistribution of **furniture and materials** from several closed schools (4 Robert Jamieson sites, Queen Elizabeth High and St Patrick's High) to the two new schools, Oyster Pond Academy and Citadel high school, and elsewhere.

Operations Services managed the renovations at the **Quinpool Education Center** to accommodate several programs including Adult ESL, All City Music, Youth Pathways and Transition, NS Department of Justice HYAC, NS Federation of Home and School Association as well as HRSB administrative offices.

Operations assisted with completion of **office relocation** at JL Ilsley High school as this was deemed to be an administrative security priority for this site. The department also assisted administration at Fairview Jr High with design considerations for a similar office relocation project at this site, which has not yet been authorized to proceed.

The **washrooms** were refurbished at Harrietsfield Elementary school.

Asbestos ceiling tiles were removed and replaced with new tiles in the hallways at Central Spryfield Elementary school. Spray on asbestos insulation was removed from the ceiling of the boiler room at Joseph Howe Elementary school. Spray on (non-asbestos containing) insulation was also removed from the gymnasium ceiling at Beechville Lakeside Timberlea Elementary school.

Operations assisted with the installation of **white boards** at priority locations identified by administration across the Board. A total of one thousand white boards were purchased by Administration and to date approximately seven hundred have been installed through Operations.

DOE Operating Capital:

This year the DOE funding provided the ability for completion of twelve projects, including four window replacement projects, four roof section replacements, two exterior masonry repair projects, a gym floor upgrade, as well as installation of magnetic door holder on fire doors at several locations.

The projects listed below are DOE funded projects which are included on Appendix A and were completed during the summer months with the exception of Springvale masonry and magnetic doors holders, which are ongoing.

Alderney Elementary	Window Replacement	\$ 55,000.00
Brookside Junior High	Roof Section Replacement	\$ 76,000.00
Central Spryfield Elem	Repointing Masonry	\$ 22,300.00
Gertrude Parker Elementary	Roof Section Replacement	\$ 85,000.00
Harbourbiew Elementary	Replace gym floor VCT	\$ 35,000.00
Hawthorne Elementary	Window Replacement	\$ 10,000.00
Joseph Giles Elementary	Roof Section Replacement	\$ 75,000.00
Oxford School	Window Replacement	\$ 55,000.00
Springvale Elementary	Repointing Masonry	\$ 22,700.00
Terence Bay Elementary	Replace windows	\$ 15,000.00
Tantallon Elementary	Roof Section Replacement	\$ 75,000.00
Various Sites	Magnetic Door Holders	\$ 50,000.00

Deferred Maintenance:

Additional one time funding provided the ability to address several significant building envelope issues as well as upgrade to dated building automation systems (BAS) at two sites. The projects include:

- Astral Drive Jr High – Upgrade BAS
- Brookside Jr High - second roof section replaced this year
- Charles P Allen - expanded window systems replacement to complete
- Fairview Jr high – Upgrade BAS
- Ian Forsythe – window replacement program continued from last year
- Oldfield Roof – covered additional cost incurred for roof replacement
- Oxford – expansion of window replacement project

Ventilation Upgrade:

An assessment of the **ventilation systems at Eastern Shore District High School** resulted in a report recommendation from the mechanical/electrical consultant to upgrade the ventilation and electrical systems. The existing ventilation systems were found to be non functional and one is deteriorated to the degree that water infiltration occurs during inclement weather. The electrical service must also be upgraded as the existing system has deteriorated original components and the capacity will not support the proposed mechanical system upgrades.

A business plan was submitted and approval was received for one time funding to proceed with the consultant's recommendations. A tender has been let for the replacement of the electrical service and one of two main rooftop building ventilation systems. The second ventilation system and gym system will be removed, leaving the affected section(s) of the building without mechanical supply air ventilation until future funding can be secured.

When this project is complete it will result in substantial improvements to the indoor air quality at this school, which has been a concern for several years, and the new electrical service will also allow for ongoing introduction of new technology.

Accessibility, Special Needs:

Operations Services has also been able to accommodate building modifications and installation of equipment such as elevators and lifts for the purpose of creating accessible schools as well as providing support for special needs requests. The sites and projects are prioritized and selected by Programs & Student Services administrative staff in collaboration with Operations.

This year there were approximately **fifty projects** (Appendix C) identified as priorities to accommodate the special needs of incoming students. They range from desk modifications and stairwell railings to construction of special needs rooms and washroom modifications.

Also, during the past summer, on the heels of completing an elevator lift at Herring Cove Jr High school, two new accessibility projects were approved and scheduled. The first was construction of a wheelchair lift and accessible washroom at Admiral Westphal elementary school, which is now complete.

The second project which is in progress and near completion is an elevated pedway to connect the upper floors at Fairview Junior High school. This installation augments the elevator that was installed 2005.

We are in the process of developing specifications for a stair mounted wheelchair lift at John W MacLeod elementary school, also to be completed this year.

Finally, two **portable classrooms** were relocated during the summer to accommodate programs and space requirements at Millwood Elementary and West Chezzetcook Elementary schools. A third portable is currently being prepared for relocation to Cole Harbour District High school from a school in Barrington.

Exterior Grounds:

This year marked the first year that HRSB aligned the grass maintenance standards to meet that of HRM. Not surprisingly, the supervision of this contract became easier to manage and resulted in successful implementation of the services. The site conditions have noticeably improved as indicated by the reduction and near elimination of complaint calls from neighborhood residents.

Pavement repairs continued throughout the summer to address damage and repair potholes. Again, new standards to cut out damaged asphalt edges before repairing have resulted in longer life of repaired areas at most sites.

Appendix C-Special Needs Projects 2007-2008

School Name	Special Needs
Ash Lee Jefferson School	Installed a "fold down" change table in a second washroom and two cupboards were mounted on the wall.
Astral Drive Elementary	Relocated step-up in downstairs washrooms to access the sink
Atlantic View Elementary	Re plastering and painting of the time out room in the learning center.
Bel Ayr	Time out room constructed.
Bell Park Academic Centre	Upgraded room for privacy and modified change table.
Bell Park Academic Centre	Modified existing special needs desk on site.
Bicentennial School	Switched the glass in the door of the "Calm Down Room" (in Learning Centre) with a pane of plexi-glass.
Brookside Jr. High	Modified the washroom on the second floor to extend last stall around urinal. Constructed a calm down room.
Citadel High	Remove lift from St Pat's High and install at Citadel High school.
Cole Harbour District High	Learning centre - old home economics room. Work stations to be removed.
Cornwallis Junior High School	Paved areas of the entrances to the school to ensure wheelchair accessibility.
CP Allen High	Installed lift in washroom.
Dartmouth High School	Modified washroom stalls for wheelchair accessibility.
Georges P. Vanier	Installed a door to connect the two rooms that form the learning center rooms 158-160
Georges P. Vanier	Constructed a special needs change table.
Georges P. Vanier	Relocated washroom fixtures for use by students.
Georges P. Vanier	Construction of steps and installation of hand rails/grab bar.
Georges P. Vanier	Installed new lines on the floor where taped "way finding" lines are lifting.
Grosvenor-Wentworth	Hand railing installed in the washroom off room #7
Hammonds Plains Elementary	Special needs washroom with change table and cupboards at east end of the building.
Harbourview Elementary	Install modified washroom fixture for accessibility requirements.
Harold T. Barrett Jr. High	Relocated sinks and fixtures to meet accessibility requirements.
Harry R. Hamilton	Installed way finding lines on the floor, and lowered hand rails.
Harry R. Hamilton	Constructed special needs room.
Hillside Park	Modify washrooms to meet special needs requirements
J.L. Ilsley	Installed special needs equipment. Levelled the threshold at main entrance for wheelchair access.
John MacNeil Elementary	Constructed special needs room.
John MacNeil Elementary	Replaced washroom fixtures in both the boys' and girls' washrooms to accommodate special needs requirements.
John W. Macleod - Fleming Tower	Installing stair mounted wheelchair lift. Resurfacing interior wheelchair ramp with non-slip surface.
Michael Wallace Elementary	Created special needs room.
Michael Wallace Elementary	Paved a path around the side of the building to the lower elementary playground.
Millwood High	Modified special need space.
Oldfield Consolidated	Upgraded exterior wheelchair ramp.

School Name	Special Needs
Prince Andrew High	Installed door/window between two classrooms.
Sackville Heights Jr High	Relocate Learning Center room.
Sackville High School	Modified washroom to accommodate accessibility requirements. Accessible ramp needs to be clearly identified.
Sambro	Installed a full wall with door to divide the Learning Center in two.
Seaside	Constructed a time out room.
St. Joseph's A. MacKay	Completed revisions to existing time out room.
Tallahassee Community	A fence is required to encircle playground equipment situated near the Rec. Centre.
Tallahassee Community	Installed a light in hallway to bathroom in the Learning Centre.
Upper Musquodoboit Consolidated School	Modified washroom to accommodate accessibility/special needs requirements.
West Chezzetcook	Installed portable classroom to meet space requirements of the site.
Westmount Elementary	Modify time out room as required to meet accessibility requirements.