

6.0	2014-2017 SCHOOL CAPITAL PLAN
Major Modernizations	
Priority M-3 Bowness High – CTS Program	
<p>A planned CBE strategy to address the new Career and Technology Studies curriculum requires approval of modernization projects to be undertaken in high schools in each of Areas I, II, III and V. These schools require priority placements for major modernization projects in order to deliver Career and Technology Studies courses and programs to students at exploratory, specialized and credentialed levels.</p> <p>The Lord Shaughnessy High School modernization in Area IV is the first modernization project undertaken to prototype Career and Technology learning environments.</p> <p>Career and Technology Courses are designed to engage students in learning in authentic, relevant and personalized learning environments. Through this approach to learning, students transition from their high school experience more successfully into the world of work or into post-secondary education . Creating these personalized pathways through Career and Technology courses and programs allow students the opportunity to examine their career goals and expand their interests in future success.</p> <p>The Career and Technology Centres combine authentic and relevant learning opportunities with personalized education, where classroom theory can be move into performance related activities.</p>	
Facility Description	
<p>The original two-storey school was built in 1955 with a wood-frame structure and stucco exterior. Major additions were completed in 1959 and 1964 and minor additions were completed in 1972 and 1986. The additions were built in concrete and steel construction with masonry cladding. In 2003, a barrier-free renovation was undertaken.</p> <p>The total area of the building is 16,580 m² consisting of 57 classrooms. A number of classrooms are internal and do not have access to natural light. Major portions of the wood-frame facility are nearing the end of their useful life. The concrete structure is of concern and considerable work is required on the building envelope, as well as the interior.</p> <p>In 2010, Alberta Infrastructure evaluated school facilities through RECAP and rated the overall condition of the facility as being in marginal condition. The evaluation made the following recommendations:</p> <ul style="list-style-type: none"> ▪ Exterior: requires upgrades (many exterior and structural components are nearing the end of their life-cycle; structural components are showing signs of movement and stress) ▪ Interior: requires upgrading (some elements have been upgraded, i.e. ceiling tiles; other components are nearing life cycle end, i.e. doors) ▪ Mechanical: systems require upgrading (HVAC equipment, etc.) ▪ Electrical: systems require upgrading (lighting system, exit signs, etc.) 	

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Modernization	
<p>The modernization will improve functionality, security, and safety and will upgrade building infrastructure. This modernization will focus on upgrading CTS space throughout the school. This will include partial mechanical and major electrical systems upgrades (power, interior lighting fixtures, and controls), as well as building envelope upgrades (roof and door). All finishes (flooring, ceilings) and worn fixtures (operable wall between gym and stage) will be replaced. Washroom upgrades and millwork replacement are part of the work.</p> <p>Teaching space upgrades include: adding walls and doors to address acoustic problems, adding electric blinds and acoustic panels, and a library to learning commons conversion. This modernization will address barrier-free issues (handicap washroom) and security concerns (front entry administration renovation to control access to the school). Replacing gravel with asphalt and adding an exterior stair for safe access downhill will address the safety issues. Replacement of on-site open garbage containers with closed containers is required. An estimate cost of the modernization is \$20 million.</p>	