

6.0	2014-2017 SCHOOL CAPITAL PLAN
Major Modernizations	
Priority M-2 Jack James – 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 building complete with gymnasium was constructed in 1980. There have been several renovations throughout the building since construction. Overall construction comprises a foundation of piles and grade beams complete with concrete slab on grade. The superstructure is a combination of reinforced concrete columns supporting suspended concrete floor and roof structure. The (current) CTS section of the facility has a roof structure of steel girders and beams.</p> <p>The mezzanine area is comprised of concrete flooring on top of steel decking on web steel joists on steel columns. It has been noted that the second storey section of the building (not CTS) has post-tensioned reinforced slab. The exterior is clad in brick complete with metal siding accents. Windows are insulated and aluminum and metal framed. Exterior doors are both wood and metal painted. Roof is membrane on styrene insulation on steel decking complete with crushed aggregate finish.</p> <p>The total area of the main building is 10,118 m² consisting of 37 classrooms. The classrooms range in size and have access to natural light.</p> <p>In 2007, Alberta Infrastructure evaluated school facilities through RECAPP and rated the overall condition of the facility as being in acceptable condition. The evaluation made the following recommendations:</p> <ul style="list-style-type: none"> ▪ Exterior: requires upgrades (main building roof structure shows wear – was scheduled to be repaired in 2011; joint sealers and mortar joints need attention; and post-tension floor sections require inspection, etc.) 	

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Facility Description (cont'd)	
<ul style="list-style-type: none"> ▪ Interiors: require upgrading (repair fire protection on steel columns, fire stops, etc.) ▪ Mechanical: requires upgrades (auto-urinal flush and water closets) ▪ Electrical: systems require upgrading (additional circuits required for CTS, computer, and LAN spaces, fluorescent lights and monitors) 	
Modernization	
<p>Due to the age and condition of the building components, a modernization will improve functionality, security, safety and will upgrade building infrastructure. There is also a need to modernize instructional spaces in order to enhance the learning environment. This modernization focuses on upgrading CTS space throughout the school, and includes partial upgrading of the building envelope and mechanical/electrical systems. The scope will also include replacement of worn architectural finishes and fixtures, program space renovations, including a library to learning commons conversion to bring the school into alignment with 21st century learning. Additional project items include building and fire code upgrades, hazardous material abatement, and addressing barrier-free accessibility. The total project cost is estimated to be \$12 million.</p>	