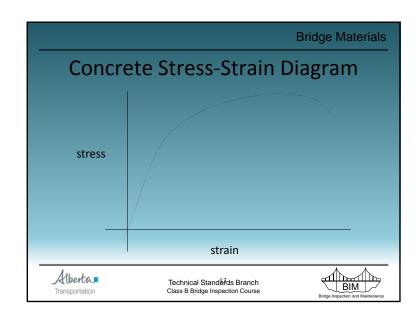
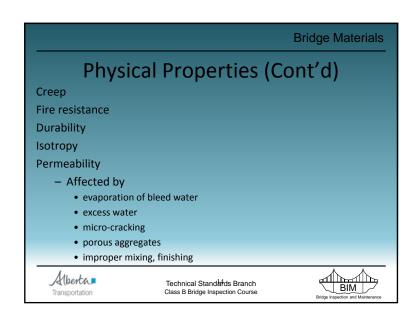
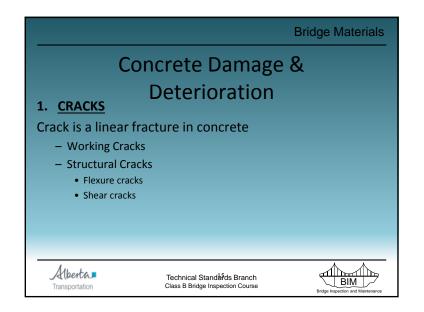
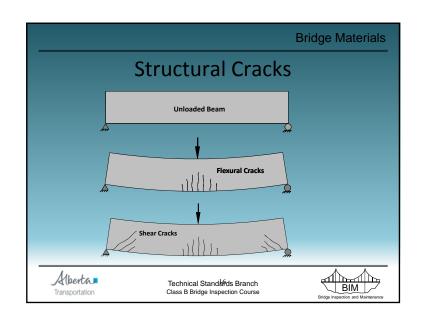


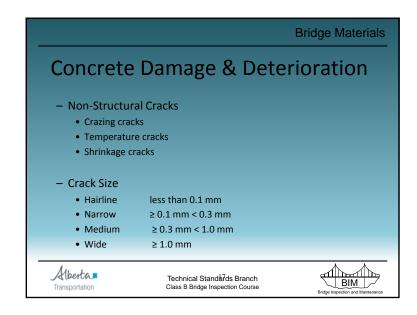
## Physical Properties (Cont'd) How to increase Compressive Strength Increased cement content Increased aggregate strength Decreased w/c ratio Decreased entrapped air Increased curing time Use of admixtures Technical Standbids Branch Class B Bridge Inspection Course

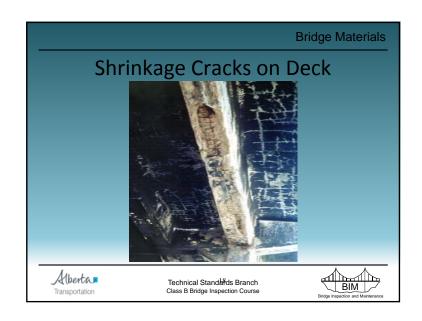


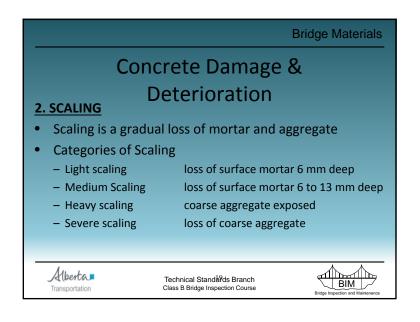




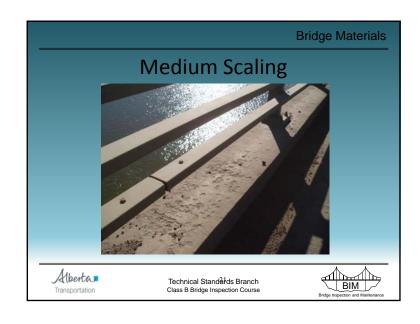


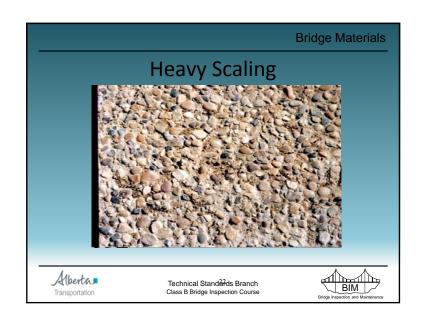


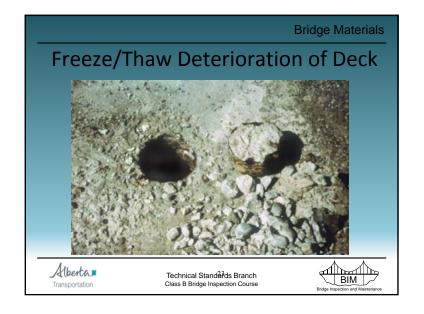




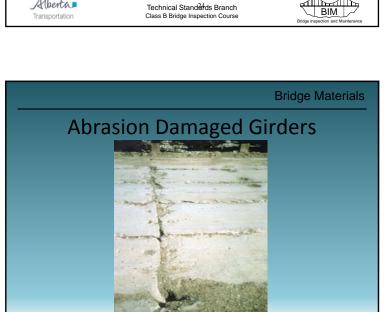








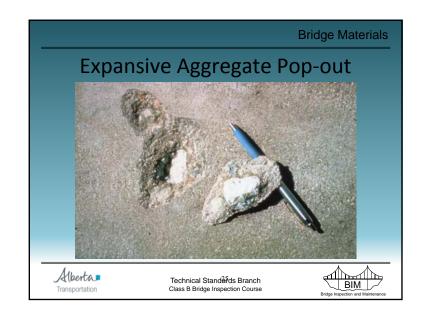
## Concrete Damage & Deterioration 3. POP-OUTS • Due to porous aggregate 4. ABRASION • Due to wheel wear 5. SPALLING • Expansion of corroding rebar and overstressing Technical Standards Branch Class B Bridge Inspection Course

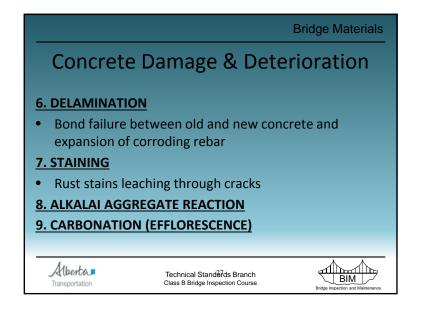


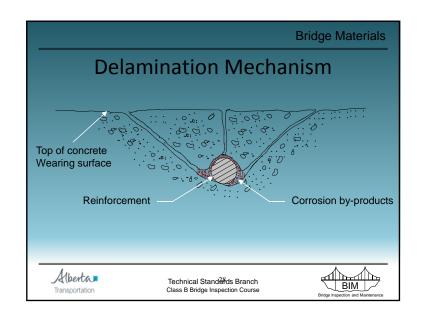
Technical Standards Branch

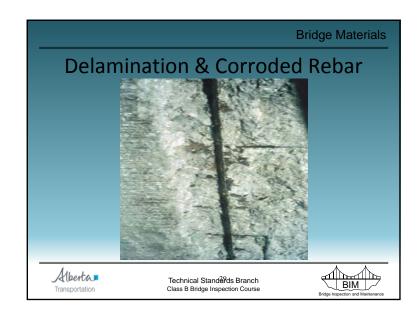
Class B Bridge Inspection Course

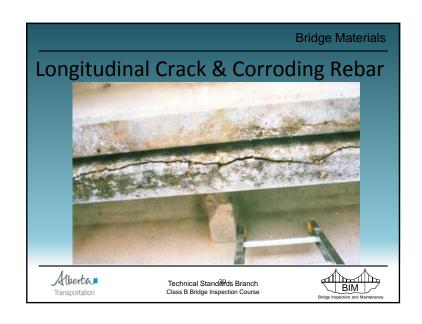
Alberta■

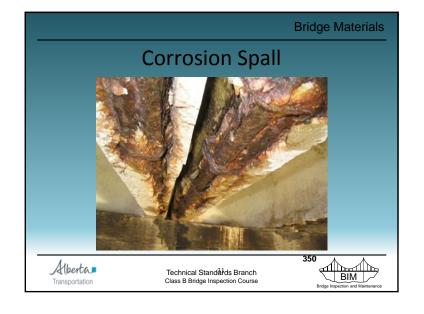


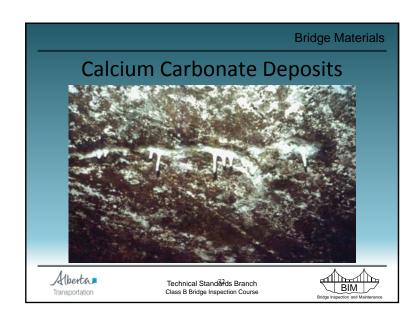


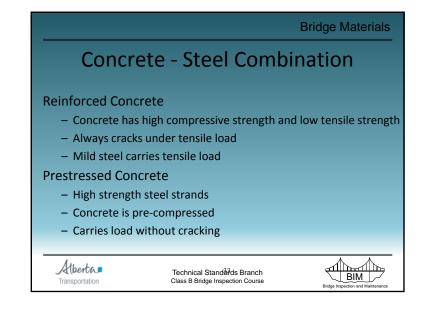


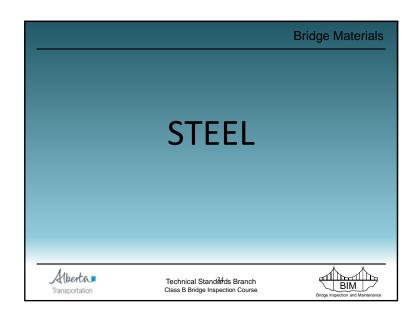


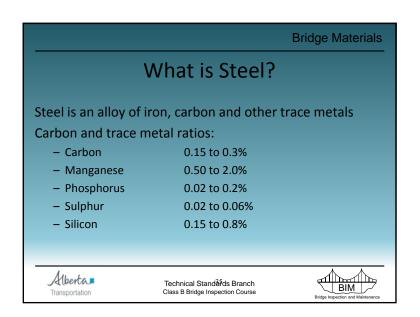




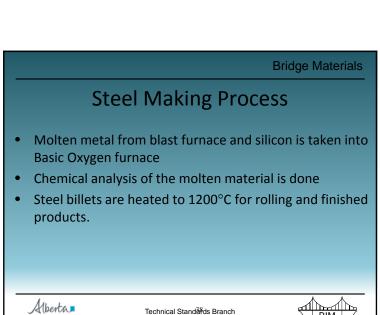








## Iron Iron in the pure form is a soft, shiny metal like aluminum. However, it is never found in this state. Iron oxidizes extremely easily. In nature it is always found as an oxide. Technical Standerds Branch Class B Bridge Inspection Course



Class B Bridge Inspection Course

