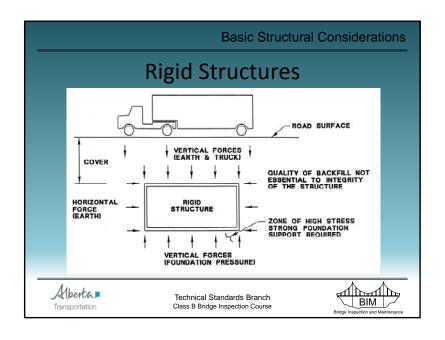
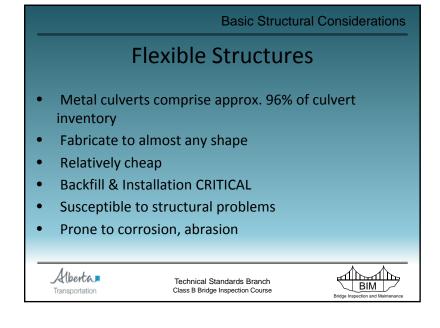
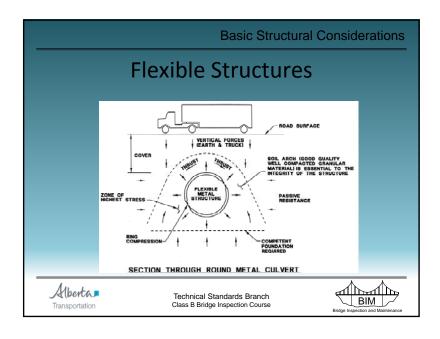


Rigid Structures Concrete (~4%) – either box or pipe Timber (0.1%) - no longer being built No noticeable deflection under loads Concrete is a durable material Concrete is relatively expensive

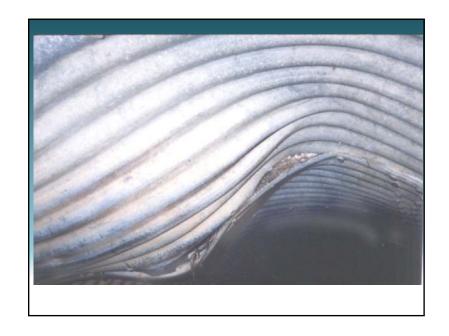




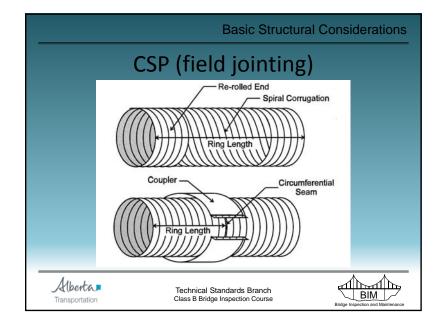




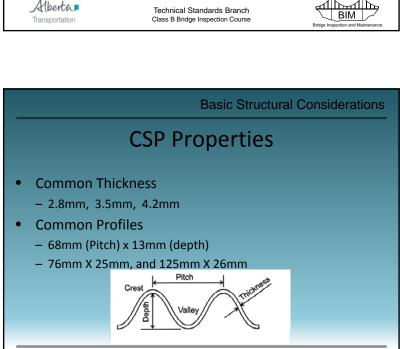








Basic Structural Considerations Flexible Culverts Two Types: Corrugated Steel Pipe (CSP) > Structural Plate Corrugated Steel Pipe (SPCSP) Alberta Technical Standards Branch BIM / Class B Bridge Inspection Course



Technical Standards Branch

Class B Bridge Inspection Course

Alberta

Basic Structural Considerations Corrugated Steel Pipe (CSP) Complete rings fabricated in plant Rolled helical sections, re-rolled ends Joined by couplers Bridge sizes range from 1500 to 3600 Common sizes 1800 to 3000 (in 200mm increments) Length to suit transportation (2.5 to 15.0m) Alberta. Technical Standards Branch BIM /

Class B Bridge Inspection Course

