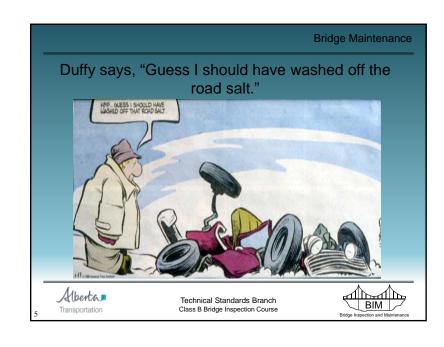
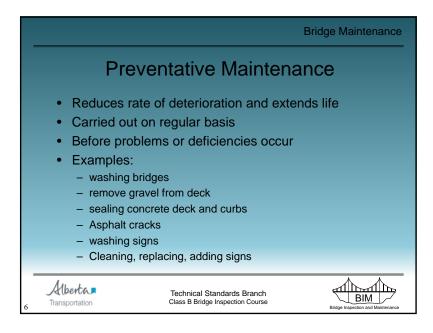
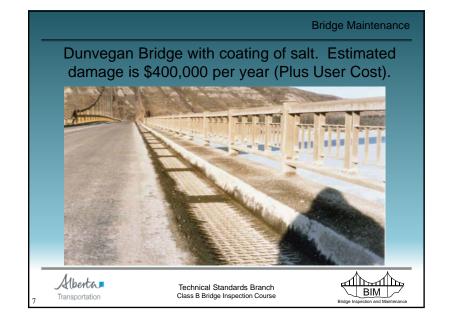
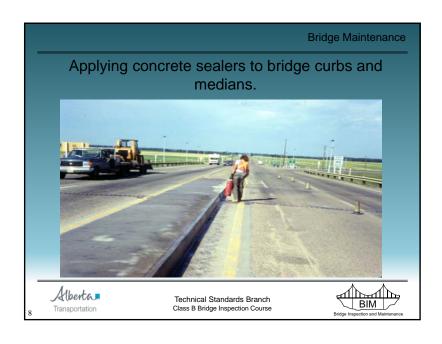


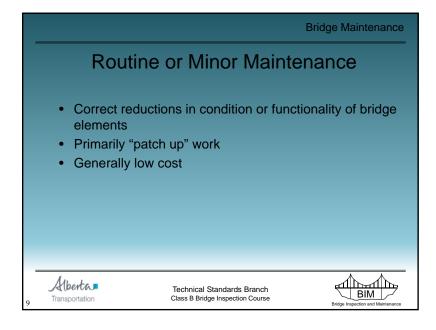
Types of Maintenance Preventative Maintenance Routine or Minor Maintenance Rehabilitation or Major Maintenance Technical Standards Branch Class B Bridge Inspection Course

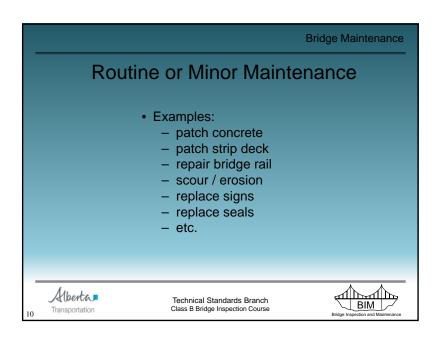


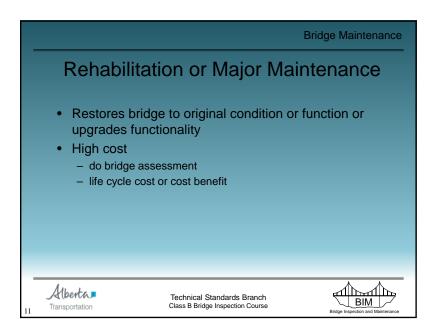


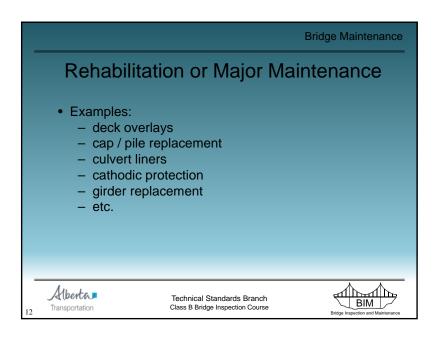


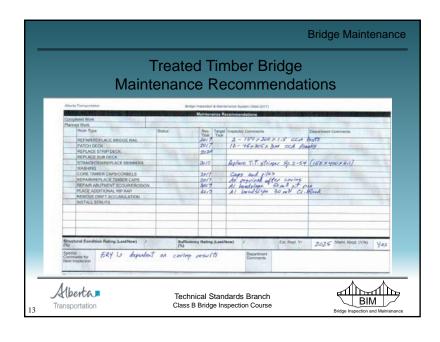




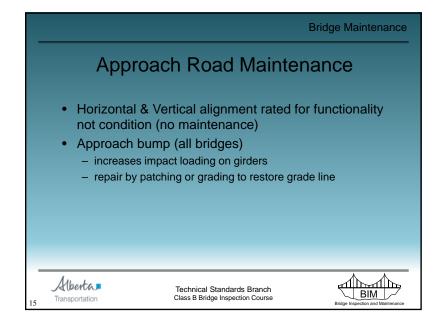




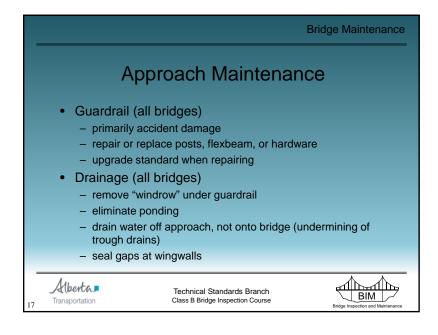


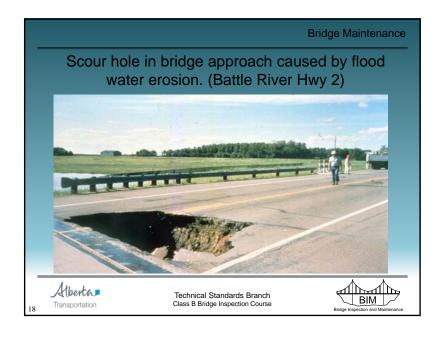


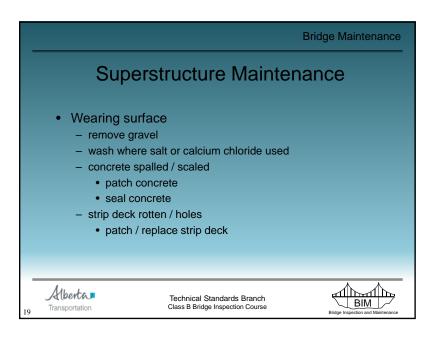


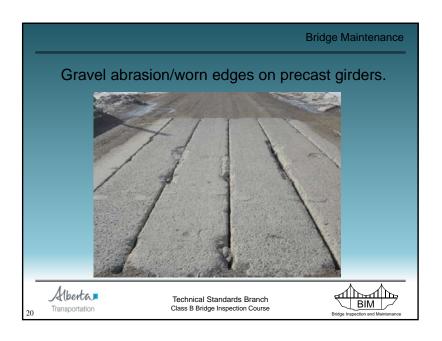




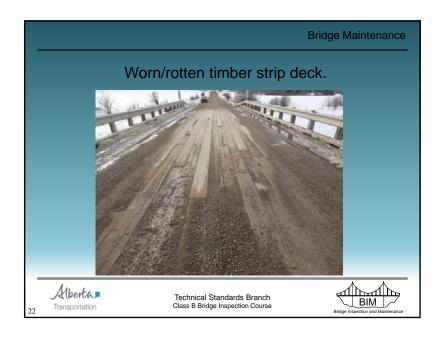


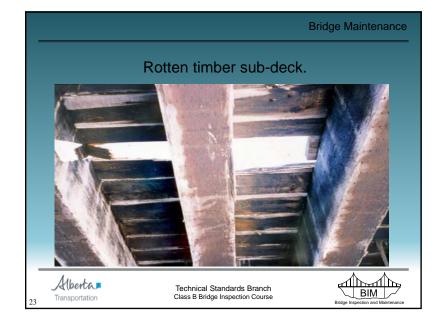


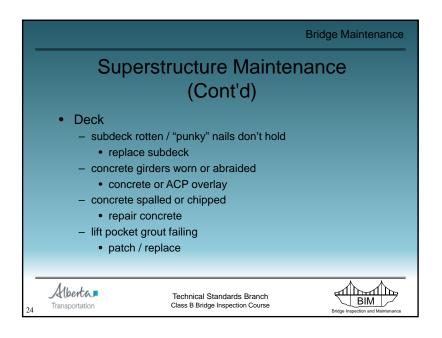


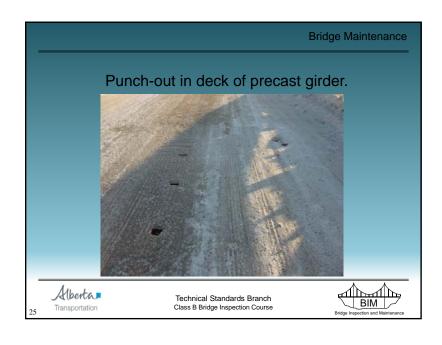


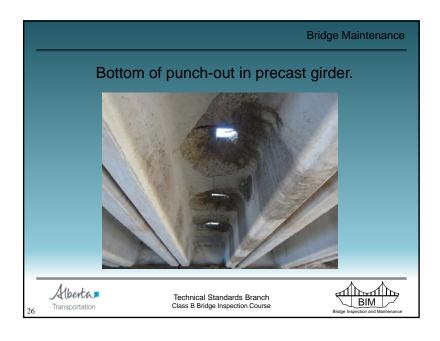


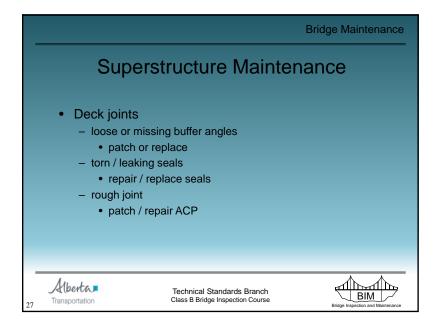


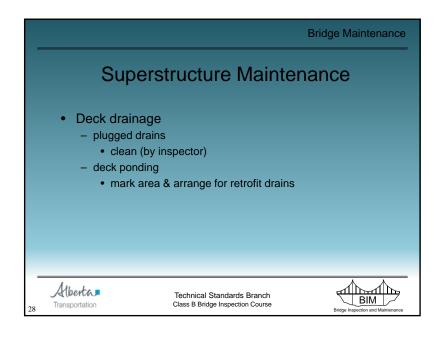


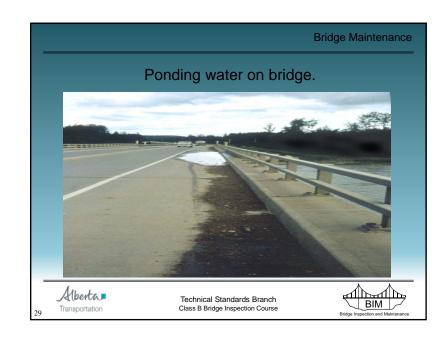


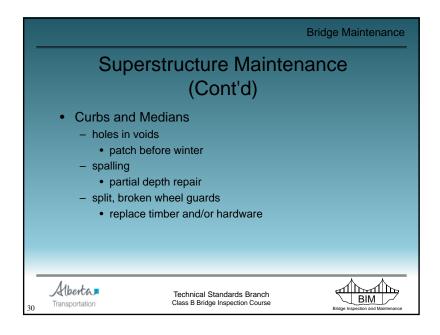


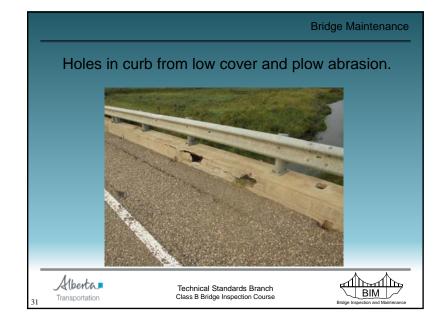


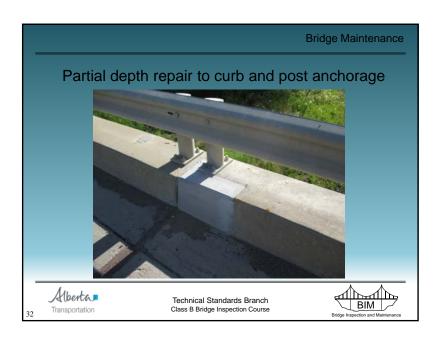




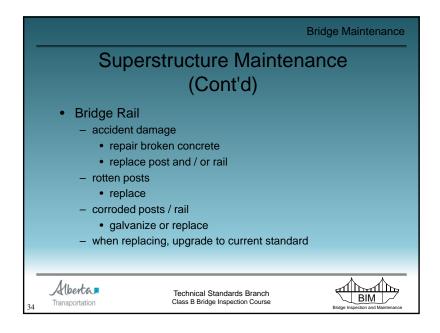


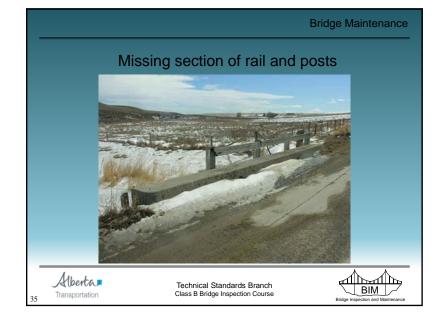




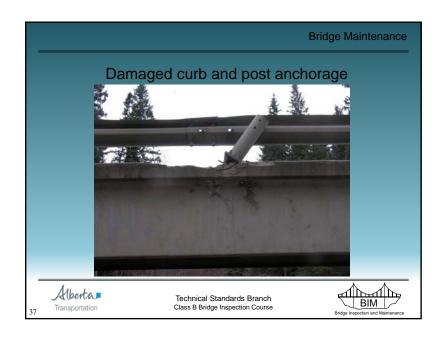


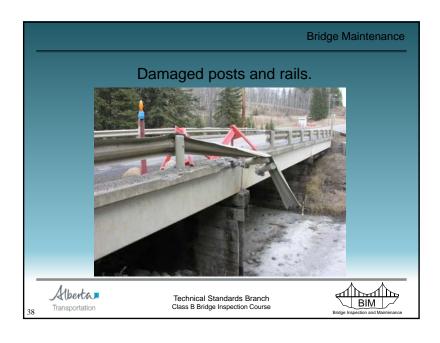


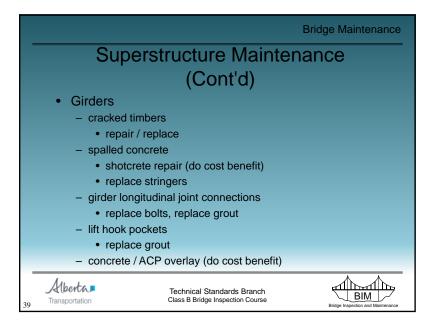


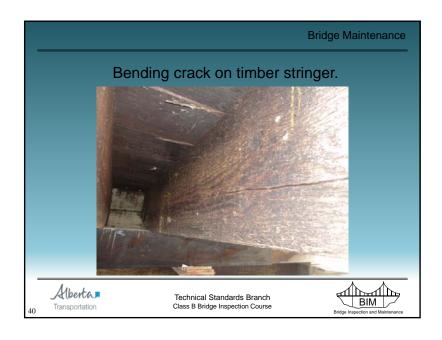


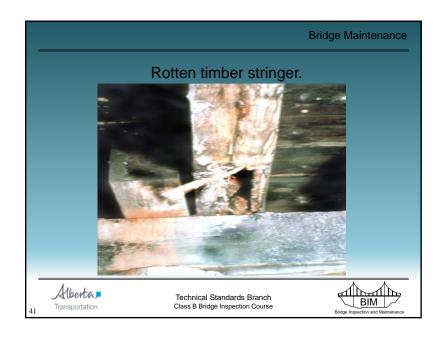




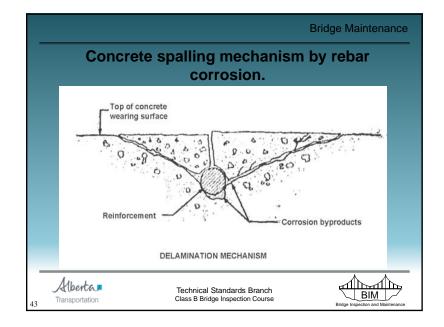


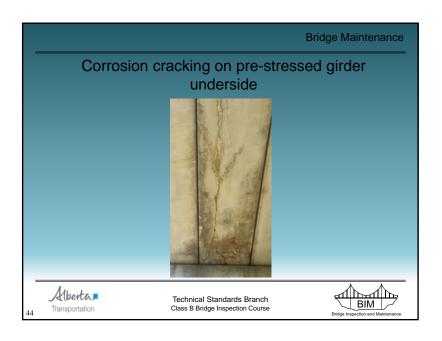


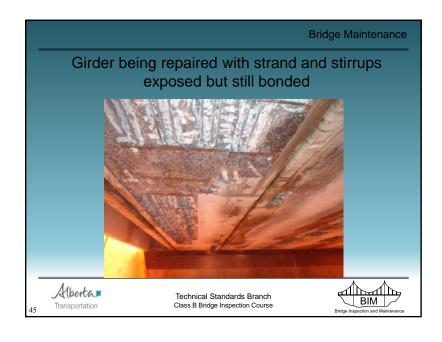


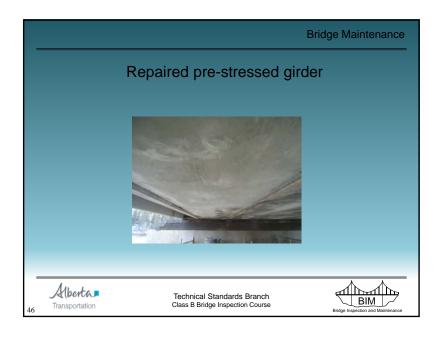




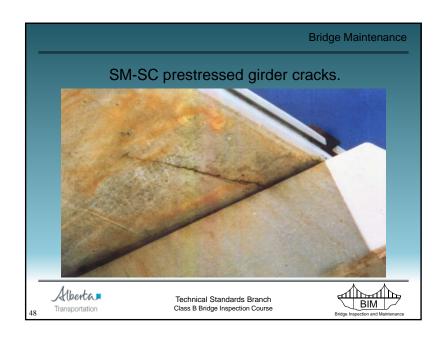


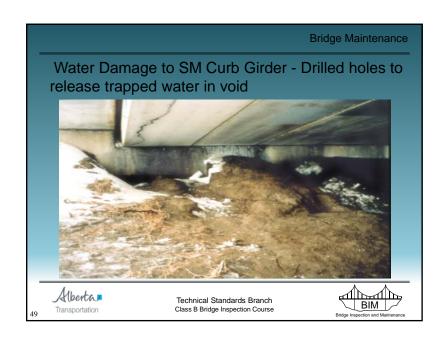


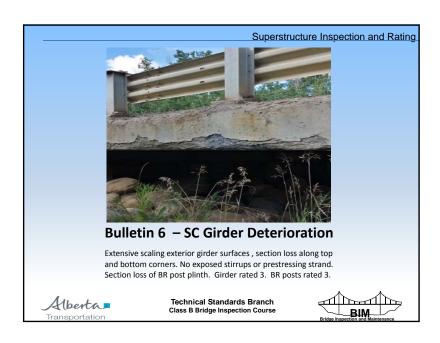


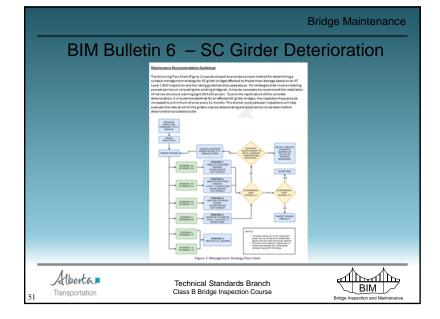






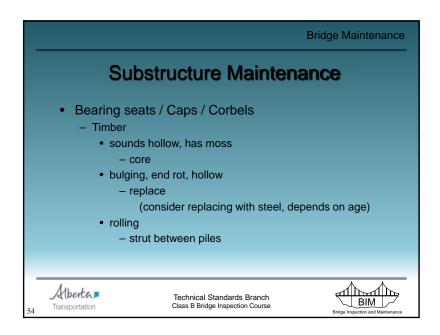


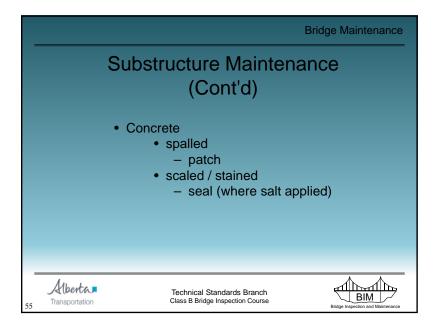


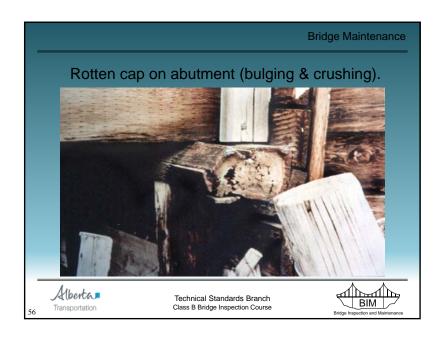


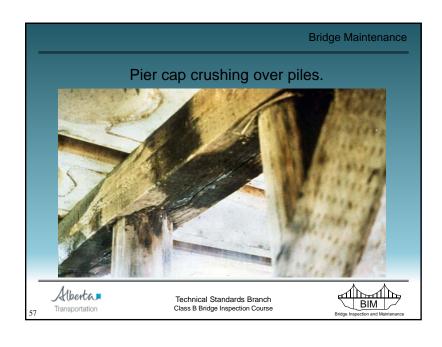
Superstructure Maintenance (Cont'd) • Span alignment - not a rated item, if Y then: • reset curb (bumped by grader) • strut / repair substructure • redrive piles • shim caps Technical Standards Branch Class B Bridge Inspection Course

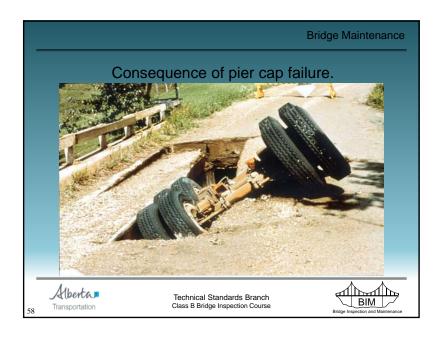


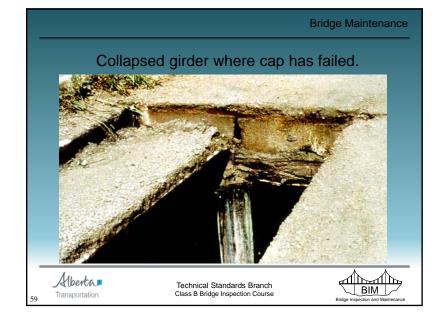


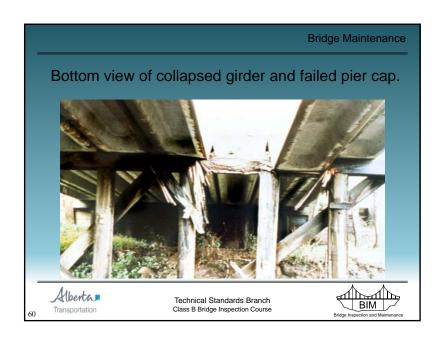


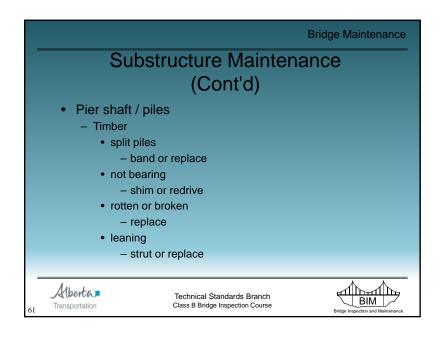


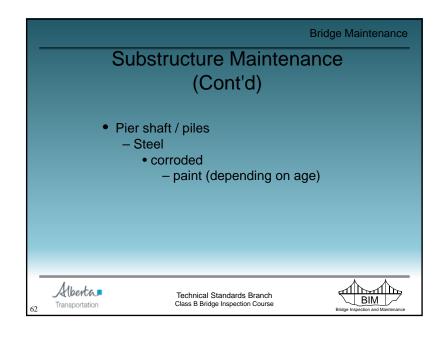




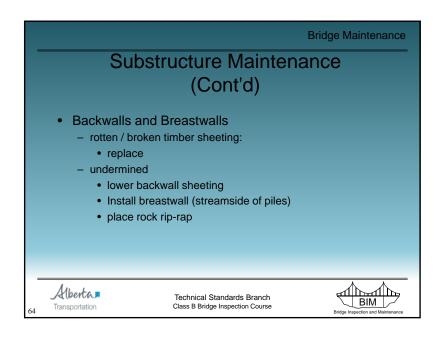


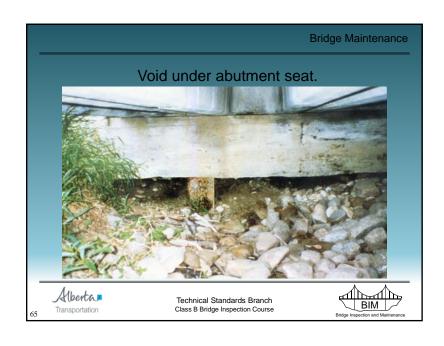




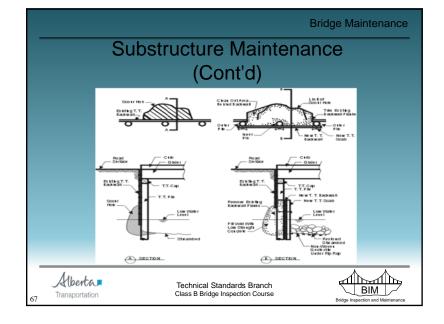




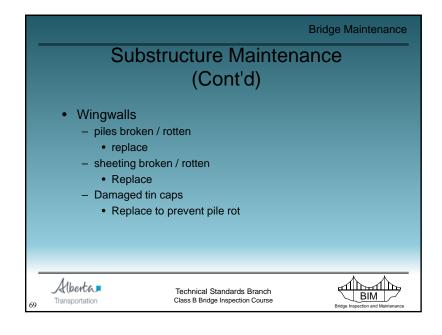


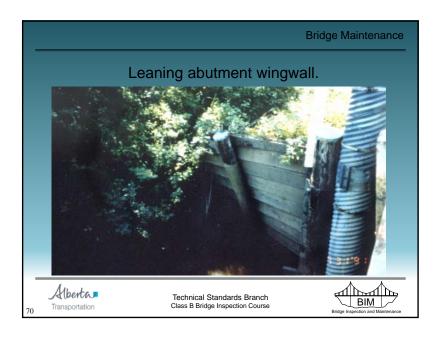


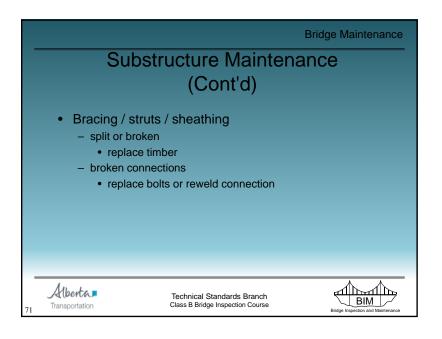




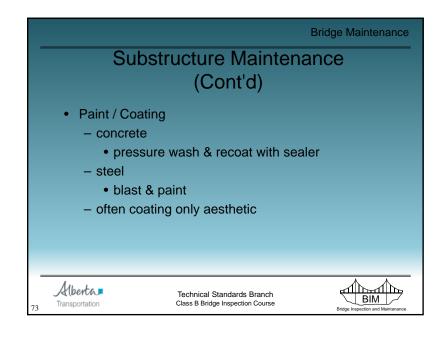


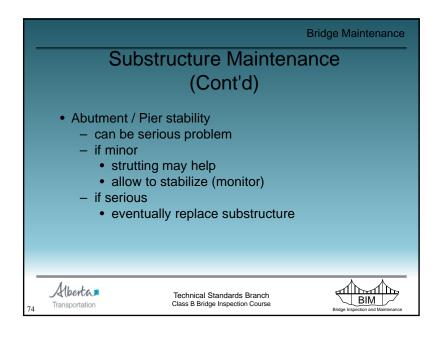


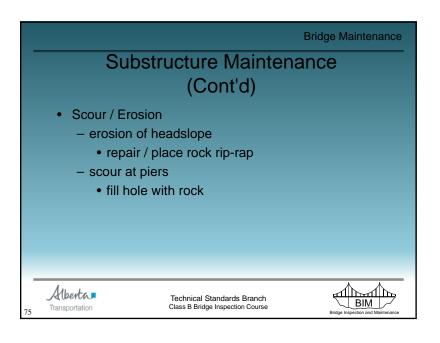


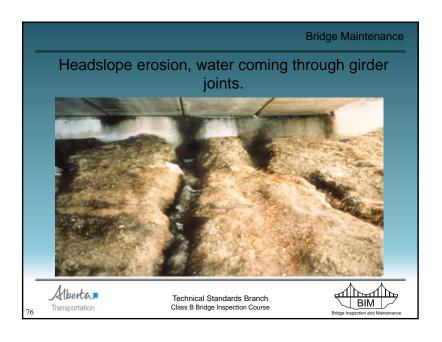


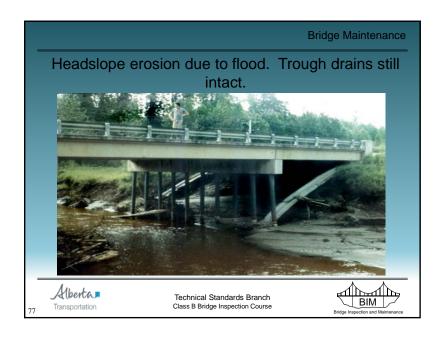
Substructure Maintenance (Cont'd) • Nose plate - loose reconnect - not high or low enough if a problem, reposition or extend - corroded usually not a problem – replace if severe

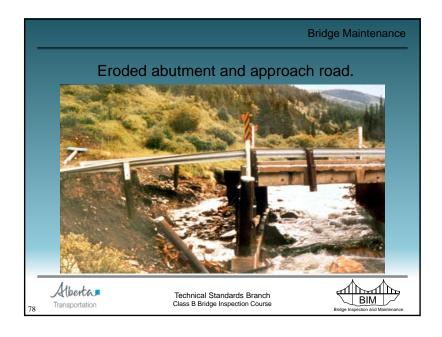


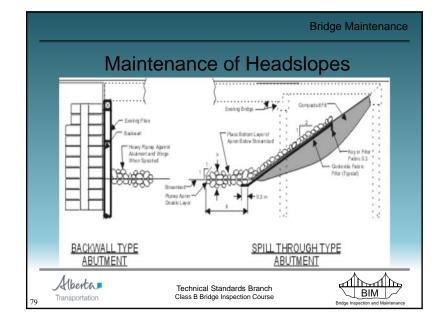




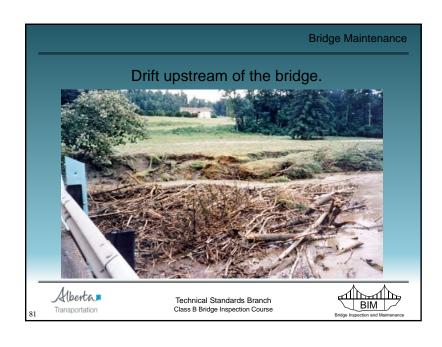


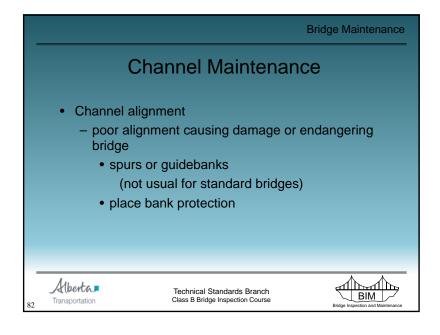


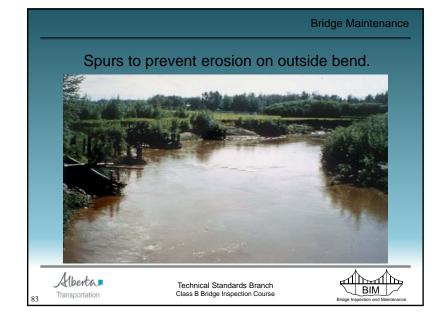




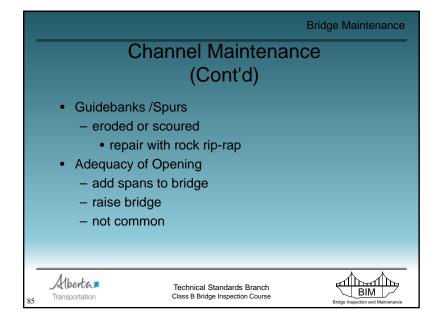
Substructure Maintenance (Cont'd) • Debris — remove and dispose of drift or old piles — cut up large drift into 1m lengths Technical Standards Branch Class B Bridge Inspection Course

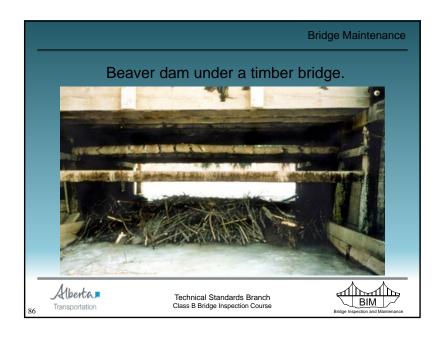


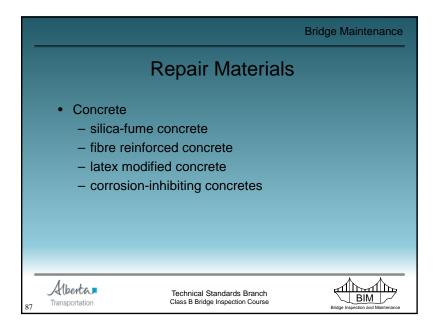




Bridge Maintenance **Channel Maintenance** (Cont'd) · Bank stability - sliding or undermining near bridge place rock rip-rap • add span/flatten slope Drift - if a problem • remove and dispose or cut up Slope protection - eroded or scoured · repair with rock rip-rap Alberta. Technical Standards Branch BIM / Transportation Class B Bridge Inspection Course

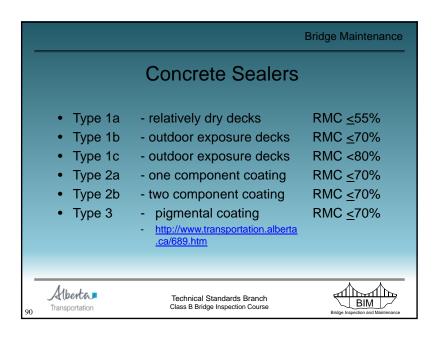


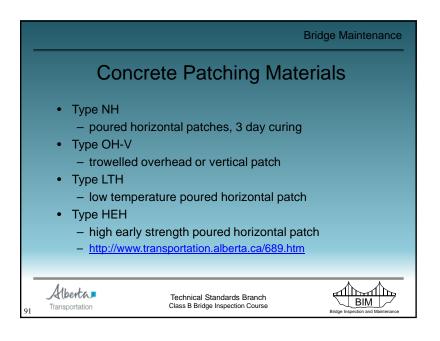




Repair Materials (Cont'd) Polymers - polymer concretes - polymer overlays Specialty products - patching materials - grouts - sealers Technical Standards Branch Class B Bridge Inspection Course







Bridge Maintenance **Paints** • Type B2 - Truss / River / little experience • Type B3 - Girder / River / much experience • Type B5 & B6 - Freeway / Overpass Type 8 - Submerged pipe piles - http://www.transportation.alberta.ca/689.htm BIM Bridge Inspection and Maintenance Alberta. Technical Standards Branch Transportation Class B Bridge Inspection Course