

Forms Completion

Supporting Information

- Ratings of 4 or less must have an explanation of condition
- Ratings of 3 or less must have 3 things;
- 1. Supporting comment
- 2. Supporting photograph
- 3. Recommendation for action
- Action may be in the form of:
 - Maintenance recommendations
 - Monitoring on regular inspection cycle
 - Monitoring on a shorter inspection cycle if warranted
 - Don't overuse monitoring
- Photographs, quantities, measurements and/or sketches are provided for ratings of 3 or less or any maintenance recommendation regardless of rating



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BIM Y/N Inventory Questions

- Explanation of condition is required when answering YES for certain areas
- Exceptions for Class B inspector are
 - approach guardrail meeting standards
 - Longitudinal seams proper lap
 - Longitudinal seams staggered
- if NO, provide comments explaining why



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Forms Completion

Significant Changes From Previous Rating

- Ratings of most elements do not change significantly over an inspection cycle
- Provide an explanation of condition if rating has changed significantly
- Required even if rating is 5 or more
- · For example:
 - treated timber piles rated 8 and 21 months later piles rated 5 - why the big change?



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Significant Changes From Previous Rating

- Some elements are expected to change significantly over an inspection cycle
- For example:
 - Timber strip deck rated 8 and 57 months later, rating reduced to 4
 - Scour protection rated 7 and after flood reduced to 3



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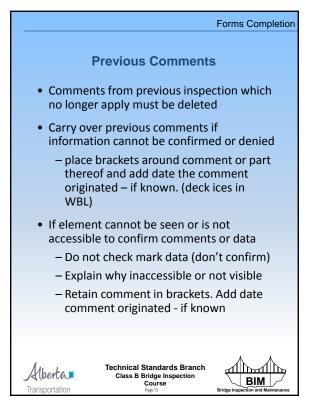
Measurement Based Ratings Record the actual measured values in space provided or if space not provided in Explanation of Condition Record the location of any measurements of defects in space provided or if space not provided in the Explanation of Condition - 250 x 400 spall in A1 abutment seat under G3 - wide longitudinal crack in unsound concrete of Sp1-G3 AZ in 1 leg.

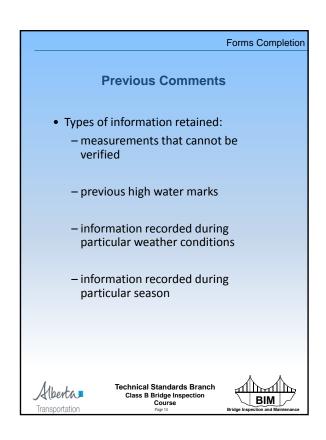
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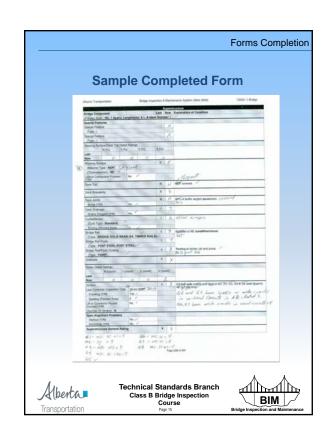
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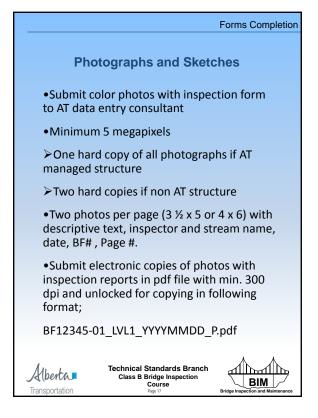
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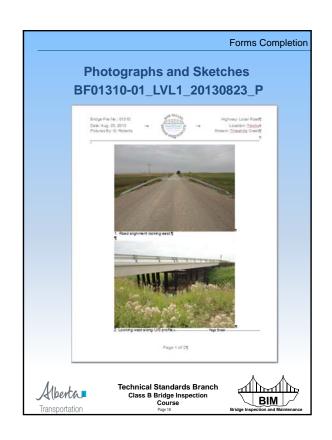


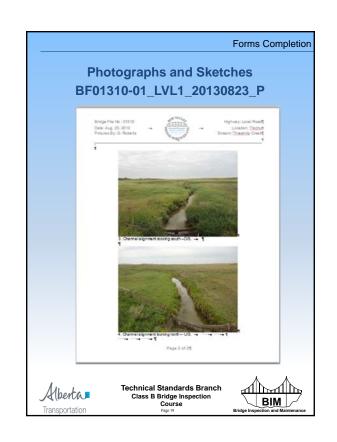












Estimating Quantities Inspectors are to estimate quantities for recommended repairs and maintenance Record in Maintenance Inspector Comments (expandable). Use separate sheet only if necessary Place in pre-prepared maintenance areas whenever possible Examples: PLACE ADDITIONAL RIPRAP - 3m³ Class 1 rock at D/S end

PATCH DECK - 5 timber stripdeck planks,

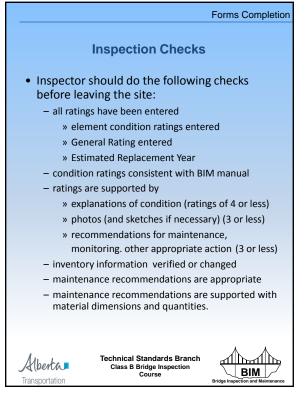
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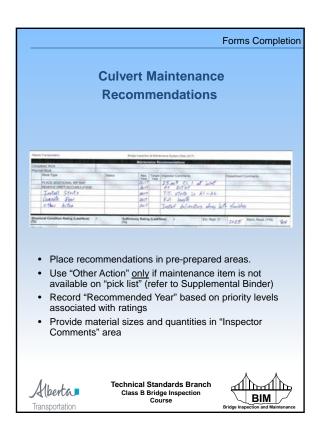
each 75x300x 3 m long

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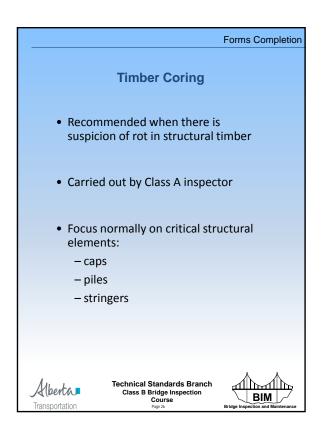


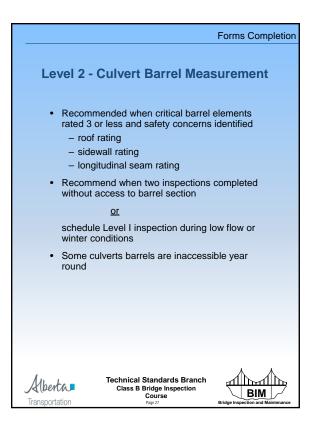












Forms Completion **Estimated Replacement Year** Standard Bridges (Table 11.1) LIFE EXPECTANCY HIGH TYPE LOW AVE **Untreated Timber** 10 15 20 Treated Timber 40 35 45 Prestressed - Composite 55 60 70* Prestressed ** 40 60* 45 Precast (Except PA & PX)** 30 35 50 Precast (PA) & Other (PX) 25 30 45 *Use maximum of 50 years for timber substructure **Add 5 years if overlaid with concrete Considerations: • Traffic - volume, amount of truck traffic, log haul • Salt usage - road surfacing, traffic, climatic conditions · Deck drainage, leakage · Decay favourable conditions Technical Standards Branch Alberta™ Class B Bridge Inspection BIM Transportation

