

Condition Rating

Temporary Repairs

- Intended to be in place for less than two years
- Do not affect the element rating
- May be difficult to determine if repair is temporary or permanent
- Temporary repair may also be a special feature and require a condition rating
- Examples:
 - flexbeam guardrail strapped over damaged bridgerail
 - pile bent on mudsills



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Condition Rating

Permanent Repairs

- Intended to be in place more than two years
- · Consider the effect of the repair when assigning
- Complete replacement of element may increase rating to 9
- Simple repair may restore element to an acceptable condition and a rating of 5
- Examples:
 - steel cap replacing timber cap
 - shotcrete repair on culvert seam
 - equivalent timber stringer inserted beside broken
 - steel splice repair of timber piles



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Condition Rating

- Rating actions
 Ratings of 4 or less need an explanation of condition.
- Ratings of 3 or less need:
 - an explanation of condition
 - photographs, sketches and measurements as required
 - an accompanying recommendation for
 - maintenance
 - monitoring
 - other appropriate action.
 - Reduced inspection cycle may be warranted
- · Take appropriate immediate action condition ratings of 2 or less for critical elements.
 - report to the Bridge Manager including suggested action
 - report to the responsible road authority official including suggested action
 - erect warning signs
 - close bridge
 - Reduce the inspection cycle
 - Suggest follow-up with authorities if extreme hazard.



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Condition Rating

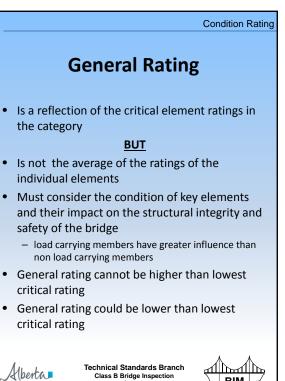
Rating actions

- Recommendations for maintenance need
 - a detailed explanation of the recommendation
 - a photo showing damage to be repaired
 - Recommended repair year
 - a list of required maintenance materials showing dimensions and quantities.
 - · routine or minor maintenance
 - reasonably obtainable during a Level 1 inspection

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Condition Rating General Rating • Required for all inspection categories - approach road - superstructure - substructure channel or grade separation · Provided by the inspector after rating the individual elements in the category Ratings are done in accordance with same numerical rating system used for condition rating of elements Used to calculate - Structural Condition Rating - Sufficiency Rating Technical Standards Branch Alberta. Class B Bridge Inspection BIM



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