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4. Conclusion

- Case studies are presented to demonstrate to practical application of probability based approaches in optimal maintenance planning for existing bridges.
- In <u>NO</u> way has the safety of the structure been compromised rather a bridge specific code has been derived.
- The justification for the application of probability-based methods to bridges is provided from national codes and the Eurocodes.
- There are no practical or technical obstacles in applying probability-based techniques.
- A clear advantage of the approach lies in its ability to incorporate bridge specific information and bridge specific safety modelling.
- Applying the probability-based approaches can result in considerable monetary savings by optimising maintenance strategies for existing bridges.

