



Bridge Investigation & Maintenance Procedures



Domestic Fees

\$1395 per person + GST



International Fees

\$1395 per person + GST



Intakes

24/06/2026

29/06/2026



Campus

Christchurch
Auckland



Duration

2 days



nziht.co.nz



Bridges are valuable assets, which must be maintained and managed if they are to remain functional at optimal cost through their design life.

Overview

Defects do occur which require attention during the life of a bridge. Some bridge components have a design life less than that of the bridge and require periodic replacement.

Natural events such as floods and earthquakes cause damage. The bridge corrosion environment can affect durability and must be recognised. These areas must be addressed and appropriate maintenance carried out to ensure continued public safety as well as to maintain the asset and minimise repair costs.

Whilst this course does include a module on the inspection process, this is not considered in detail. Completion of this course does not certify delegates to inspect NZTA bridges. The NZIHT sister course [Bridge and Other Significant Highway Structures Inspection](#) is required.

Please note; this course is solely classroom based, it does not include any in-person bridge inspections.

Topics include

- Asset management systems
- The inspection procedure
- Condition assessment for common bridge materials
- Repair procedures
- Coatings for steel structures
- Economic evaluation
- Durability and maintenance of bridging materials
- Maintenance requirements
- Waterway, drainage and seismic damage

On completion of this course participants will

- Identify the principles of bridge inspection and maintenance

- Carry out bridge inspections under supervision
- Understand the importance of the corrosion environment local to structures
- Gain an understanding of administration and management systems
- Follow the NZ Transport Agency policy to inspect and evaluate bridge conditions and detect faults
- Prepare repair procedures under supervision
- Effectively prioritise maintenance requirements
- Detect potential instances of bridge failure
- Learn ways to enhance durability of materials used in bridge construction

Who should attend

Engineers and inspectors with responsibility for inspecting and determining maintenance requirements for both state highway and local authority bridging. New and experienced bridge inspectors, engineers, technical staff and asset managers wishing to upgrade their knowledge should attend this course.

Participants to bring

This course is based on NZ Transport Agency's Bridge Inspection and Maintenance Manual Revised Edition 2001, Code: SP/M/016

If you do not have a copy of this manual, it can be [downloaded from the NZTA website](#)

It is essential that representatives from each organisation attending have at least one copy of this manual to refer to at the course.



Additional Information

Minimum numbers apply before a course is confirmed