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Protective coatings for steel bridges

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Abbreviation

Protective coatings for steel bridges

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NZ Transport Agency

Author

NZ Transport Agency

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Guidelines

Format

PDF

Cited By

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Description

This document provides a summary of available information that can assist the bridge designer with the specification of a cost effective performance based corrosion protection system, taking into account future maintenance requirements, by using the net present value life cycle costing model.

Guidance is also provided for the maintenance painting of existing steel bridges. This document complements existing guidance documents on the specification of protective coating systems for new and existing steel road bridges by either referencing them or reproducing relevant sections as required.

These documents are:

- AS/NZS 2312 Guide to the protection of structural steel against atmospheric corrosion by the use of protective coatings(1) Part 1 Paint coatings Part 2 Hot dip galvanizing Part 3 Thermally sprayed metallic coatings (In prep.)
- NZS 3404.1 Steel structures standard part 1 Materials, fabrication, and construction(2)
- HERA Report R4-133 New Zealand steelwork corrosion and coatings guide(3) .

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