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Corrosion Case Studies in Railway Tracks on Steel Bridge Structures

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One serious problem of railway bridges is corrosion on steel structures. There are many corrosion problems, which cause deterioration in the steel bridges structure of State Railway of Thailand (SRT). However, the occurrence of corrosion of steel structures depends on various factors such as environment and pollution which are different in each country. This article presents the summary and characteristics of corrosion in the railway steel bridge structures including the experiences of methods of protection for corrosion for bridge structures employed by SRT. In addition, this article presents the physical characteristic of corrosion and the methods of prevention applied to steel bridge structure. Information from this article can be useful for steel structure works.