

Innovations in public lighting inspection and asset management

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There have been several failures in recent years of street light poles, including a high profile one on the Anzac Bridge in Sydney. Combined with failure rates of power poles, there is well founded concern among public lighting asset owners about the condition of their assets. At the same time, traditional inspection methods, particularly for steel and timber poles, are being proven ineffective in a growing number of situations. Fortunately, non-destructive testing (NDT) techniques are coming-of-age and are starting to provide significant cost-benefit. This paper provides a practical and factual review of old and new inspection and remediation methods and the data collection and reporting methods typically used. The review is backed by case studies from Australia and New Zealand that show significant financial and risk reduction benefits to asset owners based on the use of improved inspection techniques and record keeping.