鋼構橋樑構件變形修護工法選擇之探討

楊錫麒,謝清濤,于樹德
營建管理學系
建築與規劃學院
hcyangse@chu.edu.tw

摘要

Heavy traffic is one of the key reasons why a bridge is often damaged. The application of steel bridges has been becoming very popular. A lot of researches have been done on the repair, rehabilitation and management of concrete bridges. However, this is not the case for steel bridges. Cracks in the structural components due to periodic loading can happen to all steel bridges. The Analytic Hierarchical Process (AHP) for selecting a proper rehabilitation method presented by Yu is used in this paper to investigate how to repair cracks due to periodic loading in the structural component of the Kuan-Do Bridge.

關鍵字：Steel Bridges, Periodic Loading, Rehabilitation methods, AHP