

Slip Characteristics of Steel Bridge Corrosion Protection using Metalizing

Charles-Darwin Annan

Laval University
1065 avenue de la medecine, Quebec, Canada

Extended Abstract

As the long-term performance of steel bridge coating systems has become decisive to owners, several corrosion control technology options have become popular and successful choices for bridge owners. These technologies, when correctly executed, provide long term, economical protection in even the most aggressive environments. Metalizing is evolving as a versatile corrosion protection solution for steel bridges, and designers need to know the slip characteristics of metalized connection faying surfaces in order to eliminate the labour-intensive, costly and time-consuming practice of masking off connection surfaces before metalizing. Will research indicating satisfactory short and long-term slip performance influence future code revisions and improve steel bridge fabrication in North America?