

OVERLOADING IMPACT AND MANAGEMENT IN GUANGZHOU MUNICIPALITY

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ABSTRACT

In Guangzhou, there are more than 685 bridges. One third is road bridges. One third is viaducts. One-third is bridges over rivers. The total length is over 100km. In recent years heavy vehicles have carried overloading goods passing bridges. This paper gives the investigating data and impact factors. Currently, The bridges in Guangzhou are responsible by the Municipal Engineering Maintenance department; Road bureaus of the district and county; Pearl and Tunnel Authority; Huanan Road and Bridge Management Authority; GZ Expressway Company and private owners. This paper briefly analyses the reasons of the overloading in this municipality. The measurement to deal with direct and indirect overload are discussed. The control methods and practical cases are given by authors.