

Design Method for GRS Integral Bridge with the Use of PCT Formed Girder

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Geosynthetic-Reinforced Soil (GRS) integral bridge is a bridge which is constructed by integrating a girder and a RC bridge abutment reinforced with the Geosynthetic-reinforced soil. The GRS integral bridge which has the PC T-formed girder has been studied so far. Based on the past researches, this paper describes an outline of our new joint structure connecting the PC T-formed girder with the RC bridge abutment, and explains the experiments for the joint structure. In addition to a new design method for the joint structure obtained from the results of the experiments, the points to be taken into consideration in a verification method of GRS integral bridge in case of using the PC T-formed girder are shown.