

**Evaluation of Load-carrying Capacity of Steel Reinforced Concrete
under Antisymmetric Moment Distribution**

Yuki NAKATA Ken WATANABE Yukihiro TANIMURA
Toshiya TADOKORO Manabu IKEDA

The antisymmetric moment distribution is generated in the transverse beams of the railway viaduct by earthquakes. However, the safety of the railway viaducts for shear force has been verified based on the empirical equation obtained based on the steel reinforced concrete (SRC) beam tests with simple supported condition. On the other hand, the shear performance of SRC beam under antisymmetric moment distribution has not been evaluated. Based on experimental studies, we have made clear the effects of some parameters on the shear strength of SRC under antisymmetric moment distribution.