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**PROFESSIONAL STANDARD OF THE PEOPLE'S
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中华人民共和国交通行业标准

JT/T 327-2004

Replace JT/T 327-1997

**Highway bridge expansion and contraction
installation**

公路桥梁伸缩装置

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Foreword

This standard is the revision of JT/T327-2004 *Highway bridge rubber expansion and contraction installation*. This revision refers to U.S AASHTO *American Association Of State Highway And Transportation Officials-LRFD*, German MAURER SOHNE bridge expansion and contraction installation, Switzerland MAGEBA expansion and contraction installation and other relevant data.

Comparing with previous standard, the major changes of this standard are as follows:

---Supplement relevant contents about comb teeth slab type expansion and contraction installation.

---Supplement technical indexes of compression support, pressure-bearing support, rubber displacement control spring and polyurethane displacement control spring used in module expansion and contraction installation;

---Put forward specific requirements such as basic cross section size and load per meter of track for special-shaped steel used in expansion and contraction installation, and make differentiation for steel grade according to using conditions so as to ensure the using effect of expansion and contraction installation after assembly.

This standard is put forward by CCCC Highway Consultants Co., Ltd.

This standard is under the jurisdiction of Scientific and Technological Education Department of Ministry of Transport, P.R.C.

Drafting units of this standard: CCCC Highway Consultants Co., Ltd., Hengshui Baoli Engineering Rubber Co., Ltd, Sichuan New Road and Bridge Machinery Co., Ltd. and Research Institute of Highway Ministry of Transport.

Main drafters of this standard: Zheng Xuezheng, Bao Weigang, Zhao Baoqin, Liu Guojian and Xia Xiaoxia.

This standard was issued in May 1997 for the first time.

Highway bridge expansion and contraction installation

1. Scope

This standard stipulates the classification, technical requirements, test methods, test rules, marks, package, storage and transportation requirements, and installation notes of highway and bridge rubber expansion and contraction installations.

This standard is applicable to the expansion and contraction installations with expansion and contraction quantity as 20mm-2000mm used in highway and bridge projects.

2. Normative references

The articles contained in the following documents have become this Standard when they are quoted herein. For the dated documents so quoted, all the modifications (excluding corrections) or revisions made thereafter shall not be applicable to this Standard. For the undated documents so quoted, the latest editions shall be applicable to this Standard.

GB/T 528 Rubber, vulcanized or thermoplastic - Determination of tensile stress-strain properties (eqv ISO 37)

GB/T 699 Quality carbon structural steels

GB/T 700 Carbon structural steels

GB/T 702 Hot-rolled steel bars - Dimensions, shape, weight and tolerances

GB/T 912 Hot-rolled sheets and strips of carbon structural steels and high strength low alloy structural steels

GB/T 985 Basic forms and sizes of weld grooves for gas welding manual arc welding and gas-shielded arc welding

GB/T 1184 Geometrical tolerancing-Geometrical tolerances for features without individual tolerance indications (eqv ISO 2768-2)

GB/T 1499 Hot rolled Ribbed steel bars for the reinforcement of concrete (neq ISO 6953-2)

GB/T 1591 High strength low alloy structural steels (neq ISO 4950)

GB/T 1685 Rubber, vulcanized or thermoplastic - Determination of stress relaxation in



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