

**American Railway Engineering and Maintenance of Way Association
Letter Ballot**

1. **Committee and Subcommittee:** Committee 30 – Subcommittee 4
2. **Letter Ballot Number:** 30-22-19
3. **Assignment:** To review and update every section of the manual.
4. **Ballot Item:** Upon review of section 4.4.3, the subcommittee found it to be redundant and voted to delete the section.
5. **Rationale:** Section 4.4.3 describes test requirements for approving the design of a monoblock ties. However, this is covered in greater detail in section 4.9.1, making section 4.4.3 obsolete.

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~~4.4.3 TEST REQUIREMENTS FOR APPROVING THE DESIGN OF A MONOBLOCK TIE (1988)~~

- ~~a. The minimum negative and positive flexural capacity at the rail seats of the tie shall be as shown in Article 4.4.1 for the tie length and spacing to be used when tested in accordance with the Rail Seat Vertical Load Test described in Article 4.9.1.4.~~
- ~~b. The minimum negative flexural capacity at the center of the tie shall be as shown in Article 4.4.1 for the tie length and spacing to be used when tested in accordance with the Negative Bending Moment Test described in Article 4.9.1.6.~~
- ~~c. The minimum positive flexural capacity at the center of the tie shall be as shown in Article 4.4.1 for the tie length and spacing to be used when tested in accordance with the Positive Bending Moment Test described in Article 4.9.1.7.~~
- ~~d. The tie must meet the requirements of the Rail Seat Repeated-Load Test described in Article.~~
- ~~e. The tie must meet the requirements of the Bond Development or Tendon Anchorage Test described in Article 4.9.1.8.~~

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